

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER LONG POINT STATE 3523-2-1H				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR ANADARKO E&P ONSHORE, LLC						7. OPERATOR PHONE 720 929-6300				
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL julie.jacobson@anadarko.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-48563			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Tamara Barton, Trustee / Barbara Callister						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-678-2080				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 76 West 700 North, Blanding, UT 84511						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		760 FSL 2250 FWL		SESW	2	35.0 S	23.0 E	S		
Top of Uppermost Producing Zone		660 FNL 2250 FWL		NENW	2	35.0 S	23.0 E	S		
At Total Depth		660 FNL 2250 FWL		NENW	2	35.0 S	23.0 E	S		
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 638				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1550			26. PROPOSED DEPTH MD: 9961 TVD: 6065				
27. ELEVATION - GROUND LEVEL 7042			28. BOND NUMBER 22013542			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Municipal				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	13.5	9.625	0 - 2000	36.0	J-55 LT&C	8.4	Type III	620	2.21	12.5
							Type III	260	1.55	14.3
I1	8.75	7	0 - 6392	29.0	HCP-110 LT&C	10.0	Class G	540	1.52	12.5
							Class G	160	1.15	15.8
PROD	6	4.5	5492 - 9661	15.1	HCP-110 LT&C	10.0	Class G	320	1.52	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input checked="" type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Gina Becker			TITLE Regulatory Analyst II			PHONE 720 929-6086				
SIGNATURE			DATE 07/11/2013			EMAIL gina.becker@anadarko.com				
API NUMBER ASSIGNED 43037500640000			APPROVAL Permit Manager							

ANADARKO E&P ONSHORE, LLC**LONG POINT STATE 3523-2-1H**

Surface:	760 FSL / 2250 FWL	SESW
BHL:	660 FNL / 2250 FWL	NENW

Section 2 T35S R23E

San Juan County, Utah
Mineral Lease: ML-48563**ONSHORE ORDER NO. 1****DRILLING PROGRAM****1. & 2. Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Please refer to the attached Drilling Program Schematic that details the formation depths of interest.

3. Pressure Control Equipment (Schematic Attached)

The BOP is detailed on the the following tab. This BOP will be connected to a 5M choke panel with 2 chokes, one being remotely actable. We will have a diverter on our surface holes. The BOPE will be NU after we set the surface string. All flows will be treated as a gas flow. We will shut-in, record pressures, set up a kill schedule & perform a weight-and-wait method to kill the well. After we have pumped the KWM around we will shut back in, record pressures, once pressures are zero, we will clear the floor, open the BOP and do a flow check.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program and Geological Information

5. Drilling Fluids Program:

Please refer to the attached Drilling Program and Geological Information

6. Evaluation Program:

Please refer to the attached Drilling Program and Geological Information

7. Abnormal Conditions:

Please refer to the attached Drilling Program and Geological Information

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

None

7/11/2013

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10. Other Information:

Please refer to the attached Drilling Program and Geological Information

Anadarko will use a Co-Flex hose line, a flexible pipe, instead of a hard steel pipe for the kill line. This will run from the BOP to the choke manifold, and will reduce the amount of time required to rig up for the re-entry work on the well.

Please see attached Drilling Program for specifications on the Co-Flex hose.

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7/11/2013

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WELLBORE

9 5/8" CASING DEPTH

7" CEMENT TOP

MD: 1,500'

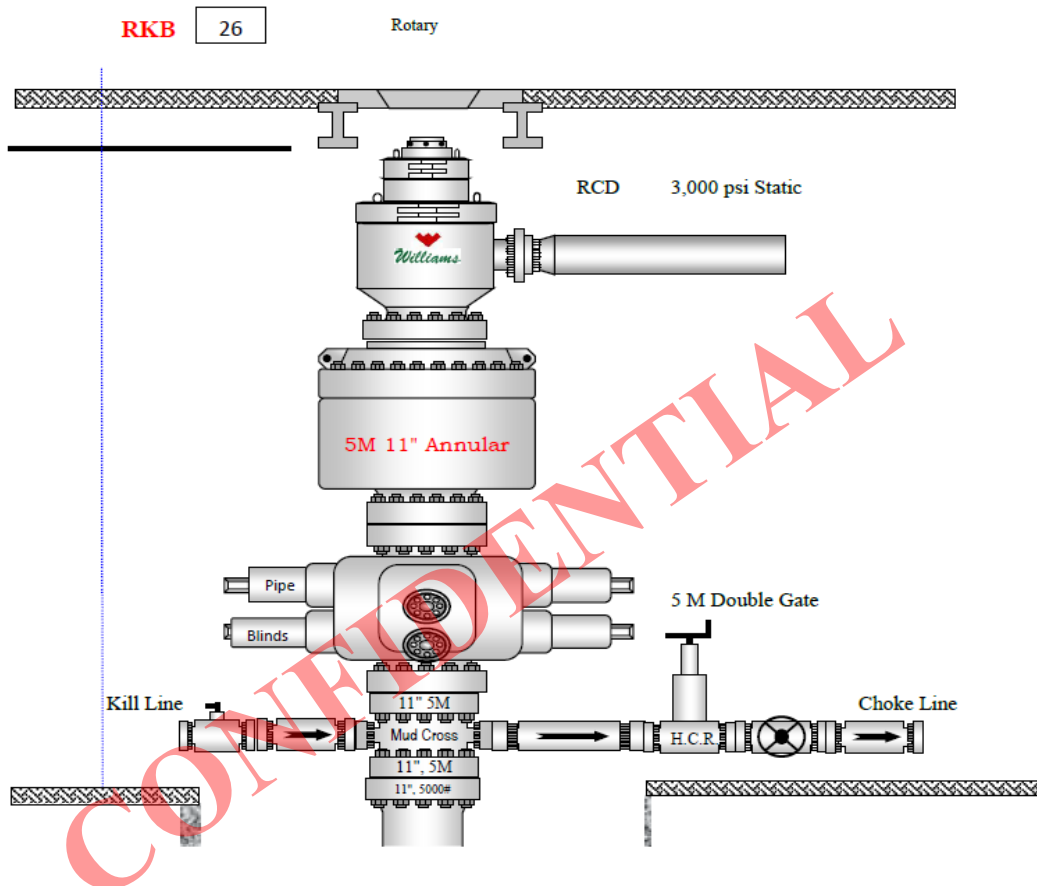
D/MD:	5,492'
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INTERMEDIATE DEPTH

4 1/2" LINER DEPTH

PILOT HOLE: |

EXHIBIT A
LONG POINT STATE 3523-2-1H



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK



QUALITY DOCUMENT

PHOENIX RUBBER
INDUSTRIAL LTD.H-6728 Szeged, Budapesti út 10. Hungary • H-6701 Szeged P.O.Box: 152 • Phone: (3662) 566-737, Fax: (3662) 566-738
The Court of Csongrád County as Registry Court, Registry Court reg.No.: Cg.06-09-002502

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 930	
PURCHASER: Phoenix Beattie Co.			P.O. N°: 000671		
PHOENIX ORDER N°: 337079		HOSE TYPE: 3" ID Choke and Kill Hose			
HOSE SERIAL N°: 46305		NOMINAL / ACTUAL LENGTH: 6,10 m			
W.P. 68,96 MPa 10000 psi		T.P. 103,4 MPa 15000 psi		Duration: 60 min.	
Pressure test with water at ambient temperature					
See attachment. (1 page)					
↑ 10 mm = 10 Min. → 10 mm = 16 MPa					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with 4 1/16" Flange end	1818	1817	AISI 4130	93412	
			AISI 4130	59534	
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date:	Inspector		Quality Control		
07. April. 2006			PHOENIX RUBBER Industrial Ltd. Hose Inspection and Certification Dept. <i>J. J. J.</i>		

T35S, R23E, S.L.B.&M.Found 2012
G.L.O. Aluminum
Cap.

S88°36'18"W - 2634.27'

S88°40'45"W - 2634.23'

Found a firmly
set, marked
stone.

S01°21'17"E - 2624.88'

2250'

LOT 4

LOT 3

LOT 2

LOT 1

Bottom of
HoleSet 2013, 3"
aluminum cap on
3/4" rebar.

S01°08'27"E - 2623.84'

**SURFACE POSITION
NAD 83**
STPC (UTAH SOUTH)
N: 10,247,308'
E: 2,257,457'
Lat: 37° 45' 32.667"N
(37.759074°N)
Lon: 109° 21' 55.411"W
(109.365392°W)

**BOTTOM HOLE
NAD 83**
STPC (UTAH SOUTH)
N: 10,251,149'
E: 2,257,366'
Lat: 37° 46' 10.654"N
(37.769626°N)
Lon: 109° 21' 55.447"W
(109.365402°W)

Found 1911
G.L.O. Brass Cap.Found 1911
G.L.O. Brass Cap.**2**

**SURFACE POSITION
NAD 27**
STPC (UTAH SOUTH)
N: 404,805'
E: 2,617,250'
Lat: 37° 45' 32.684"N
(37.759079°N)
Lon: 109° 21' 52.985"W
(109.364718°W)

**BOTTOM HOLE
NAD 27**
STPC (UTAH SOUTH)
N: 408,646'
E: 2,617,159'
Lat: 37° 46' 10.671"N
(37.769631°N)
Lon: 109° 21' 53.022"W
(109.364728°W)

S01°18'17"E - 2635.49'

S01°20'54"E - 2635.26'

2250'

Well Surface
Position

**WELL LOCATION:
LONG POINT STATE 3523-2-1H**
ELEV. UNGRADED GROUND = 7048.1'

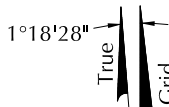
Found 1911
G.L.O. Brass Cap.

S88°39'30"W - 2627.15'

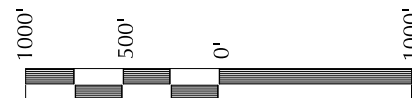
S88°36'28"W - 2629.54'

Found 1911
G.L.O. Brass Cap.**NOTES:**

- ▲ = Section Corners Located
- Well footages are measured at right angles to the Section Lines.
 - The Bottom of hole bears N01°21'06"W 3842.23' from the Surface Position.
 - Elevations Based on NAVD 88 (GEOID12A)
 - Basis of Bearings Derived From Utah Coordinate System 1983 South Zone Unless Otherwise Noted.
 - All Measured Distances Are Grid.
- Combined Scale Factor: 0.9996174509

**N**

CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
REGISTRATION NO. 6028691
STATE OF UTAH

John R. Slough
7-3-2013
No. 6028691
JOHN R. SLOUGH

Anadarko E&P Onshore LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - LONG POINT STATE 3523-2N

**LONG POINT STATE 3523-2-1H
WELL PLAT**
660' FNL, 2250' FWL (Bottom Hole)
LOT 3 OF SECTION 2, T35S, R23E,
S.L.B.&M., SAN JUAN COUNTY, UTAH.

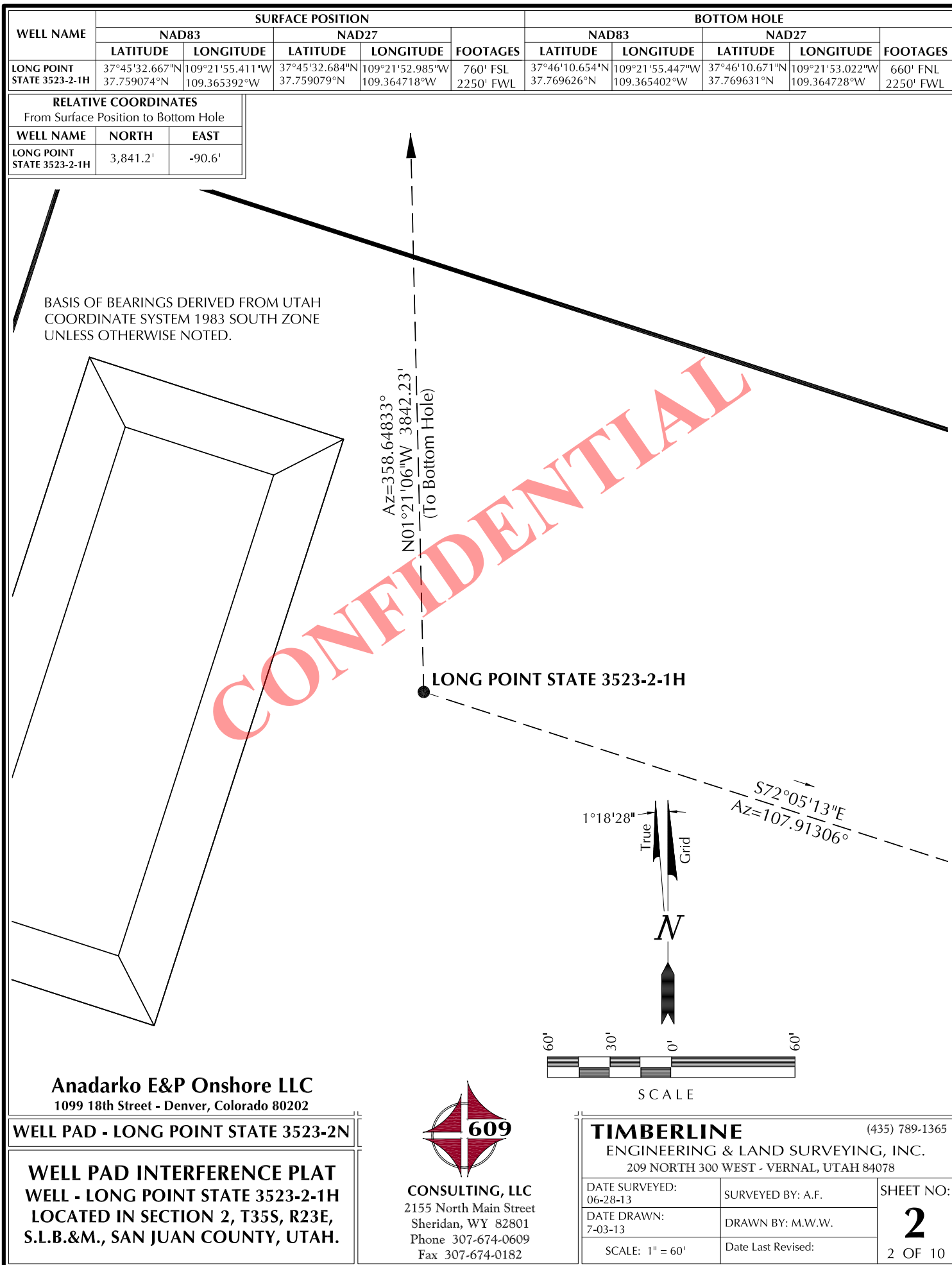
TIMBERLINE

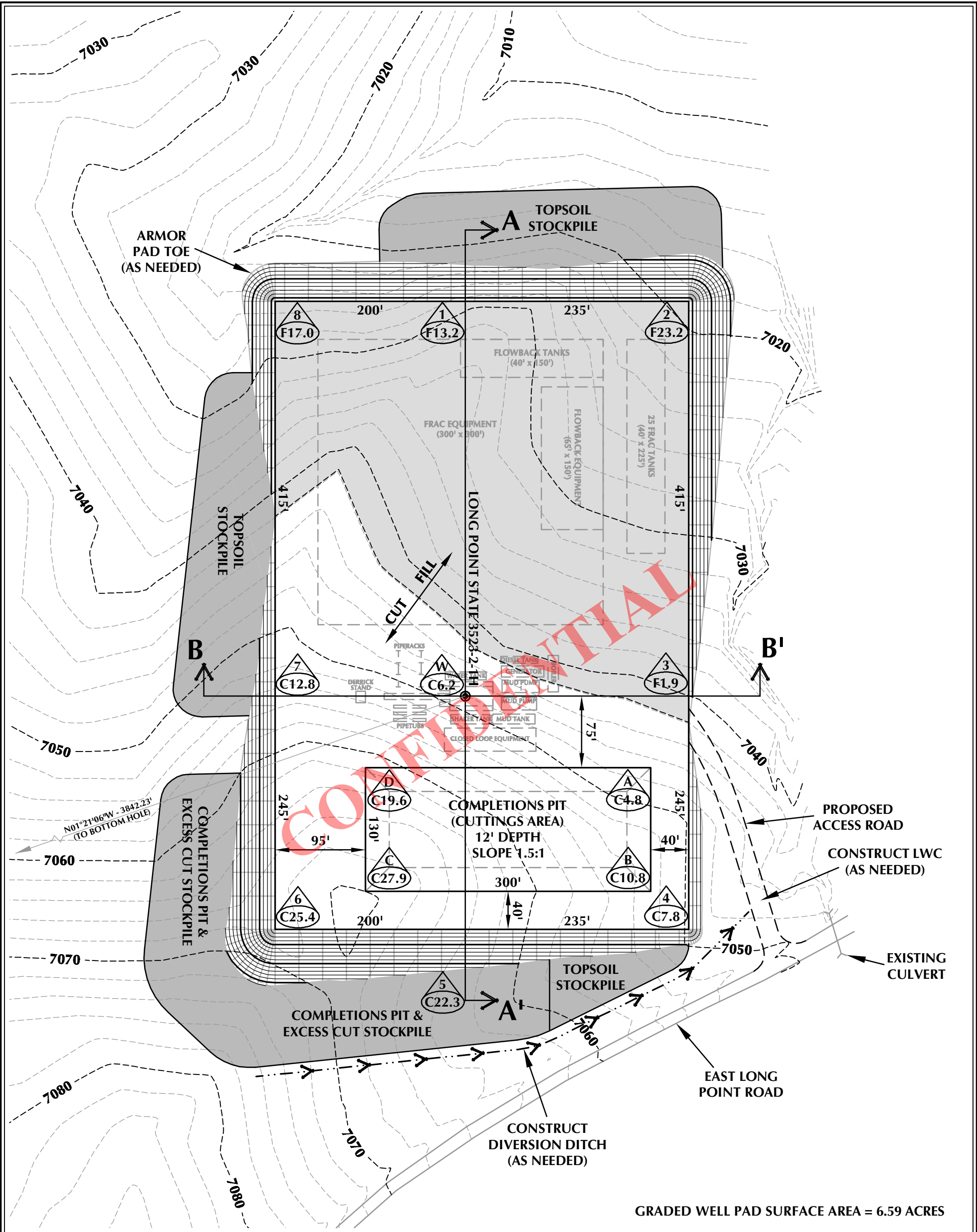
(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 06-28-13	SURVEYED BY: A.F.	SHEET NO: 1 1 OF 10
DATE DRAWN: 7-03-13	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	

RECEIVED: July 11, 2013





WELL PAD - LONG POINT STATE 3523-2N DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 7048.1'
FINISHED GRADE ELEVATION = 7041.9'
CUT SLOPES = 2:1
FILL SLOPES = 2:1
TOTAL WELL PAD AREA = 8.21 ACRES
TOTAL DISTURBANCE AREA = 10.76 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00

Anadarko E&P Onshore LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - LONG POINT STATE 3523-2N

WELL PAD - LOCATION LAYOUT
LONG POINT STATE 3523-2-1H
LOCATED IN SECTION 2, T35S, R23E,
S.L.B.&M., SAN JUAN COUNTY, UTAH



CONSULTING, LLC
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Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 73,587 C.Y.
TOTAL FILL FOR WELL PAD = 72,848 C.Y.
TOPSOIL @ 12" DEPTH = 13,241 C.Y.
EXCESS MATERIAL = 739 C.Y.

COMPLETIONS PIT QUANTITIES

TOTAL CUT FOR COMPLETIONS PIT
+/- 14,090 C.Y.
COMPLETIONS PIT CAPACITY
(2' OF FREEBOARD)
+/- 54,310 BARRELS

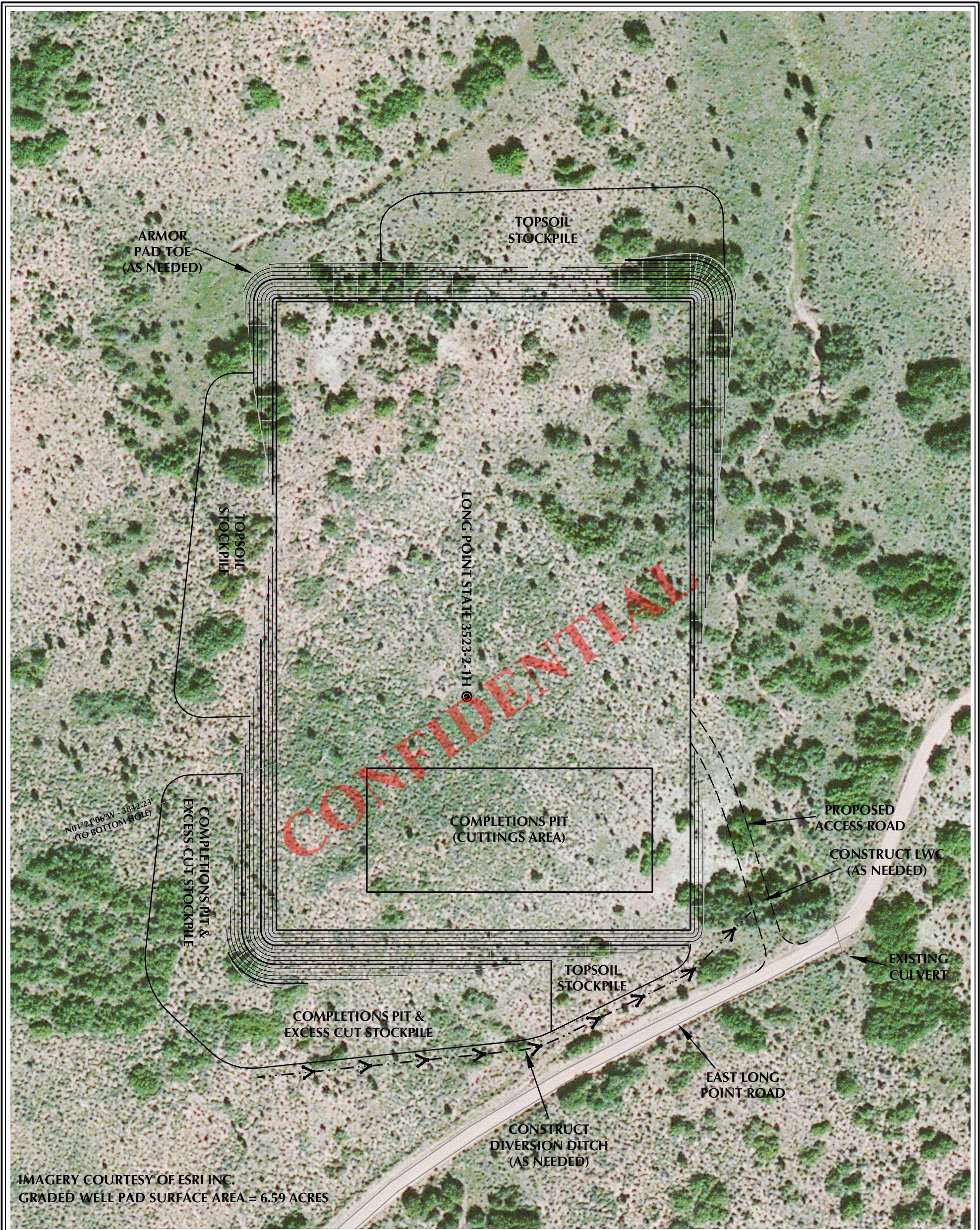
WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL - PROPOSED PIPELINE
- EPL - EXISTING PIPELINE



HORIZONTAL 0 50' 100' 1" = 100'
2' CONTOURS

SCALE: 1"=100' DATE: 7/2/13 SHEET NO: 3 3 OF 10
REVISED:



IMAGERY COURTESY OF ESRI INC.
GRADED WELL PAD SURFACE AREA = 6.59 ACRES

WELL PAD - LONG POINT STATE 3523-2N DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 7048.1'
FINISHED GRADE ELEVATION = 7041.9'
CUT SLOPES = 2:1
FILL SLOPES = 2:1
TOTAL WELL PAD AREA = 8.21 ACRES
TOTAL DISTURBANCE AREA = 10.76 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00

Anadarko E&P Onshore LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - LONG POINT STATE 3523-2N

WELL PAD - LOCATION LAYOUT
LONG POINT STATE 3523-2-1H
LOCATED IN SECTION 2, T35S, R23E,
S.L.B.&M., SAN JUAN COUNTY, UTAH



CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 73,587 C.Y.
TOTAL FILL FOR WELL PAD = 72,848 C.Y.
TOPSOIL @ 12" DEPTH = 13,241 C.Y.
EXCESS MATERIAL = 739 C.Y.

COMPLETIONS PIT QUANTITIES

TOTAL CUT FOR COMPLETIONS PIT
+/- 14,090 C.Y.
COMPLETIONS PIT CAPACITY
(2' OF FREEBOARD)
+/- 54,310 BARRELS

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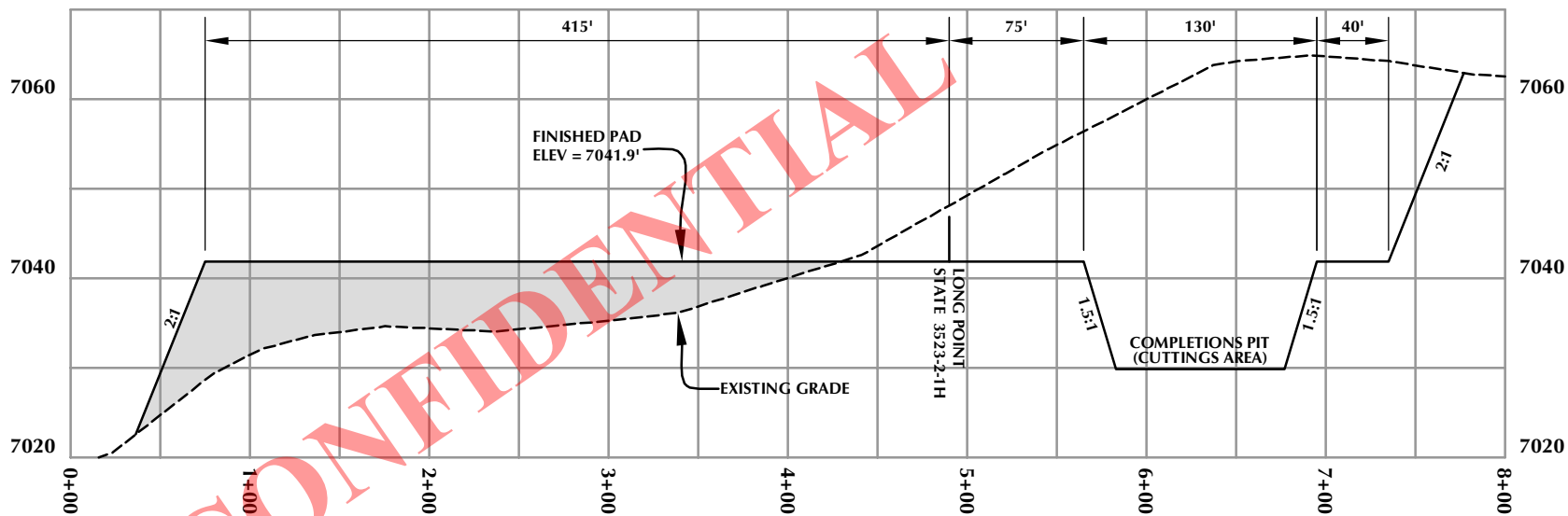
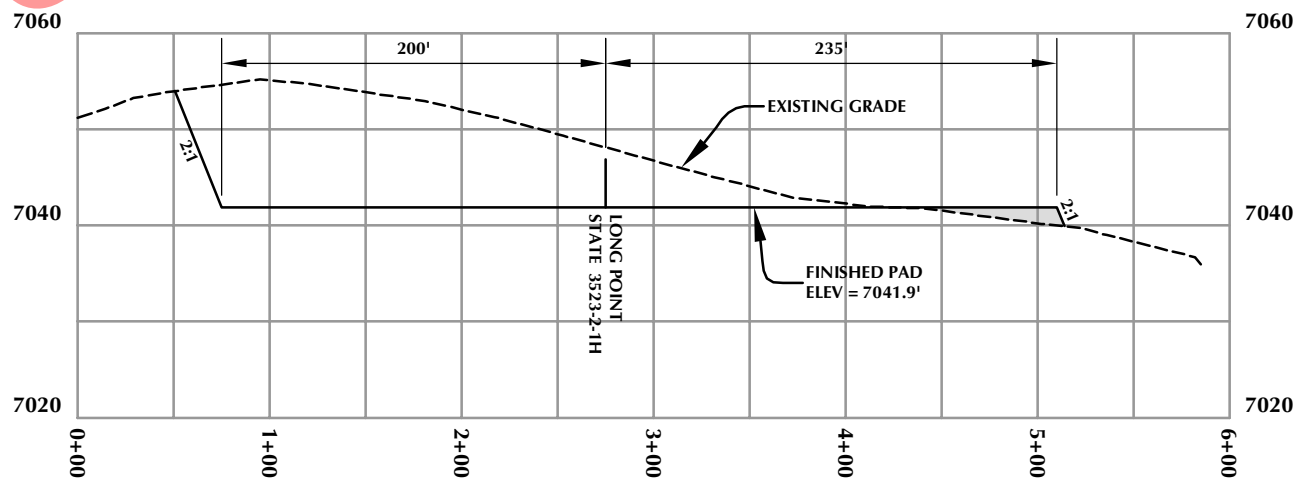
WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL
- EPL
- EXISTING PIPELINE



HORIZONTAL 0 50' 100' 1" = 100'
2' CONTOURS

SCALE: 1"=100' DATE: 7/2/13 SHEET NO: 3B 3B OF 10
REVISED:

**CROSS SECTION A-A'****CROSS SECTION B-B'****Anadarko E&P Onshore LLC**

1099 18th Street - Denver, Colorado 80202

WELL PAD - LONG POINT STATE 3523-2N

WELL PAD - CROSS SECTIONS
LONG POINT STATE 3523-2-1H
 LOCATED IN SECTION 2, T35S, R23E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH



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 Fax 307-674-0182

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 209 NORTH 300 WEST - VERNAL, UTAH 84078

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HORIZONTAL 0 50' 100' 1" = 100'
VERTICAL 0 10' 20' 1" = 20'

SCALE: 1"=100'

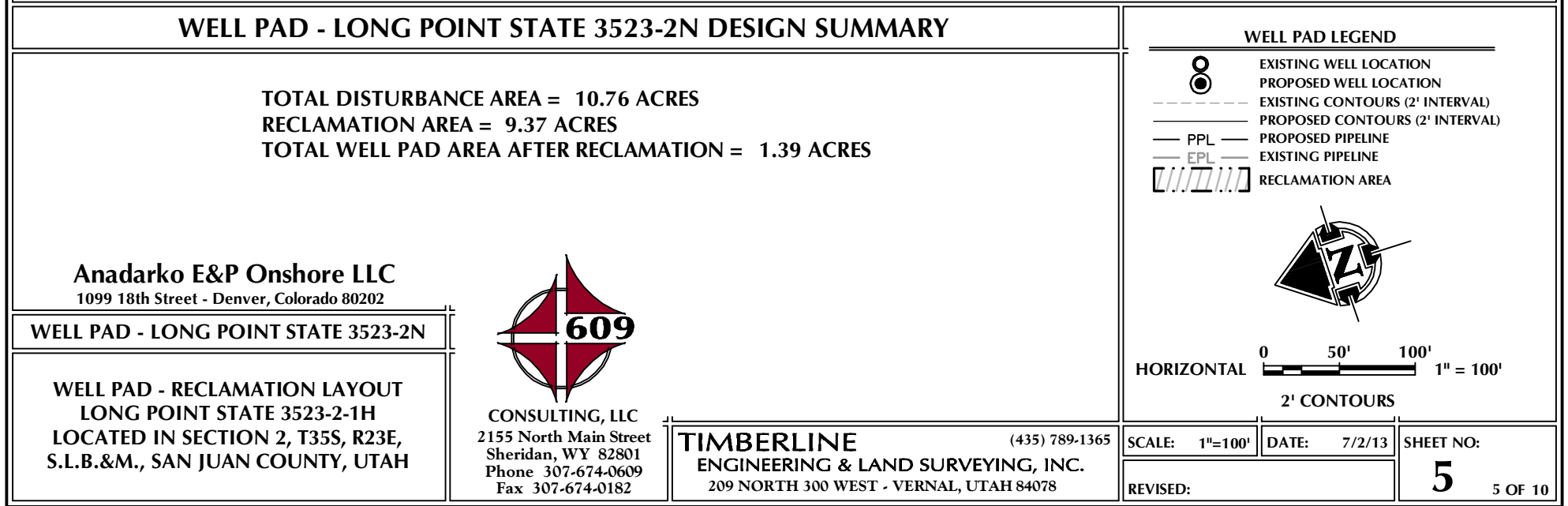
DATE: 7/2/13

SHEET NO:

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RECEIVED: July 11, 2013



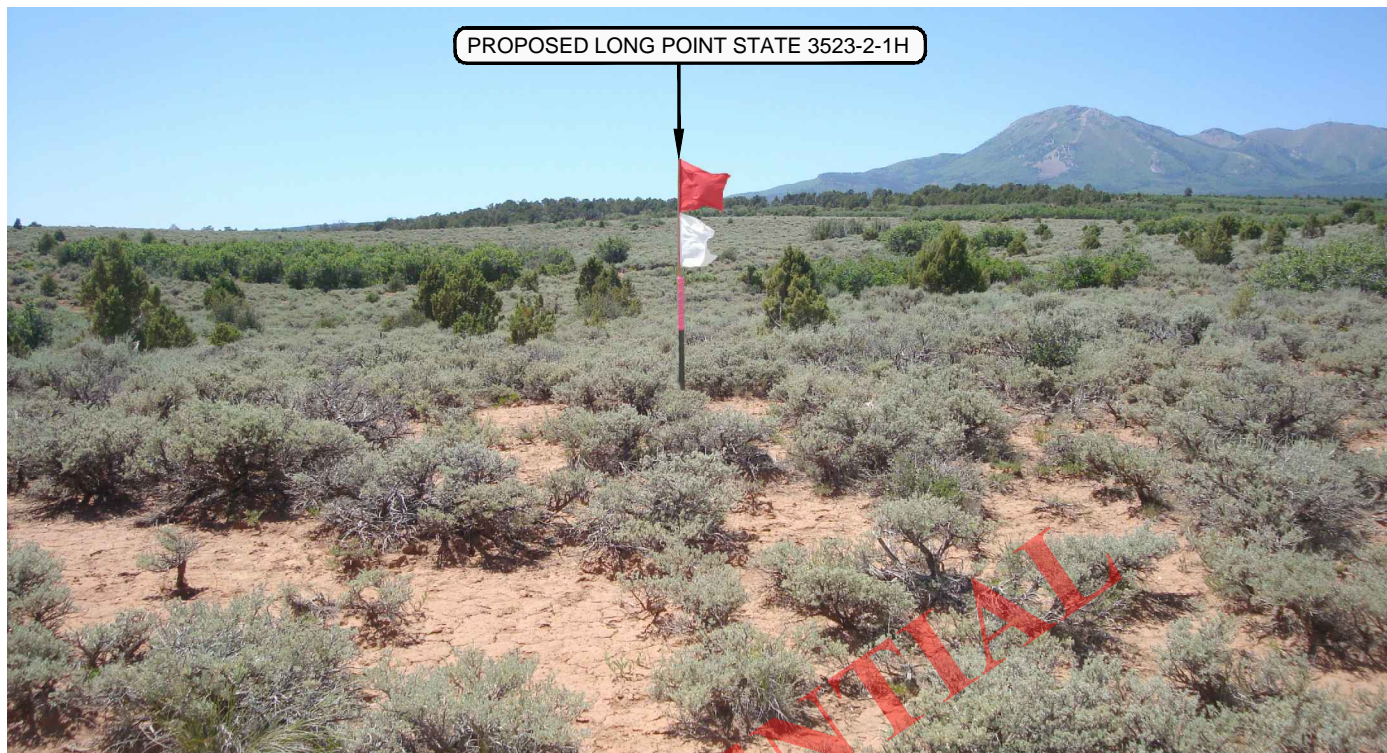


PHOTO VIEW: FROM LOCATION STAKE TO EAST LONG POINT ROAD

CAMERA ANGLE: WESTERLY

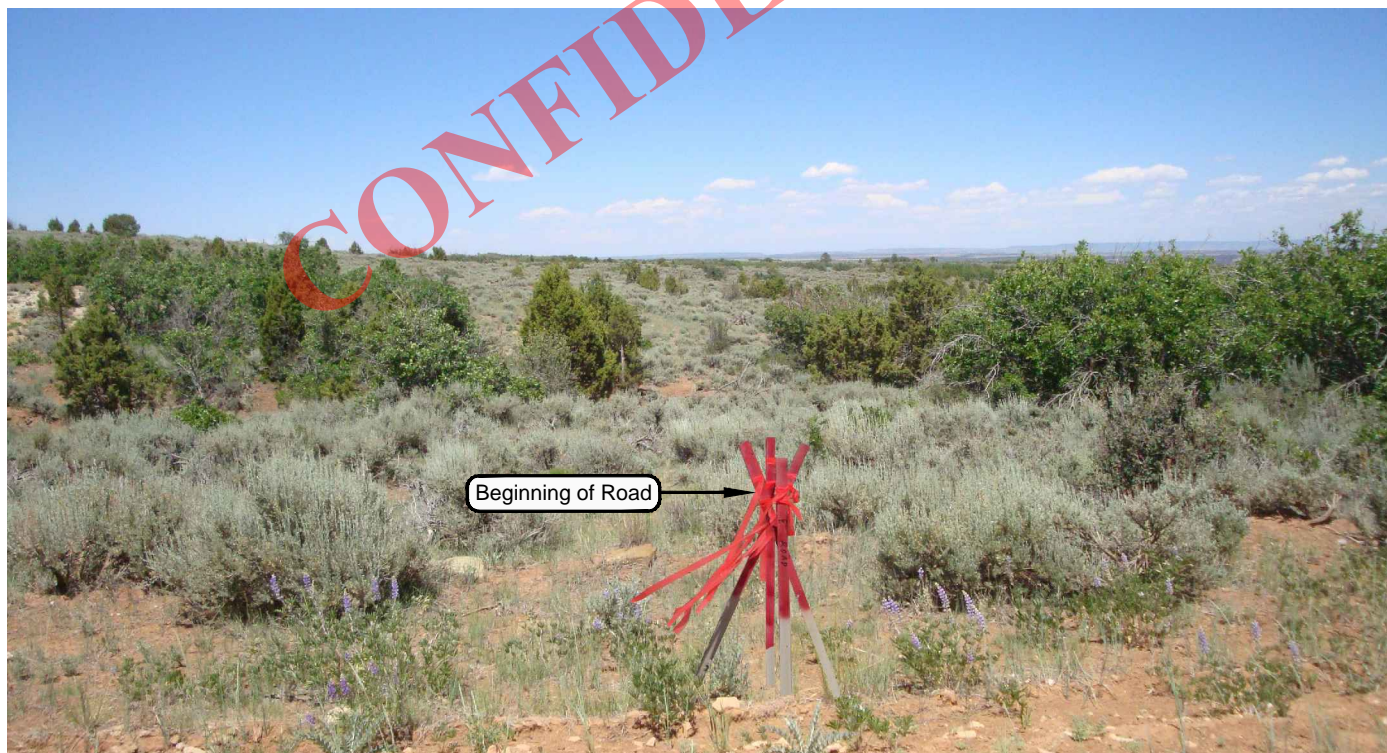


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: EASTERLY

Anadarko E&P Onshore LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - LONG POINT STATE 3523-2N

LOCATION PHOTOS
LONG POINT STATE 3523-2-1H
LOCATED IN SECTION 2, T35S, R23E,
S.L.B.&M., SAN JUAN COUNTY, UTAH.



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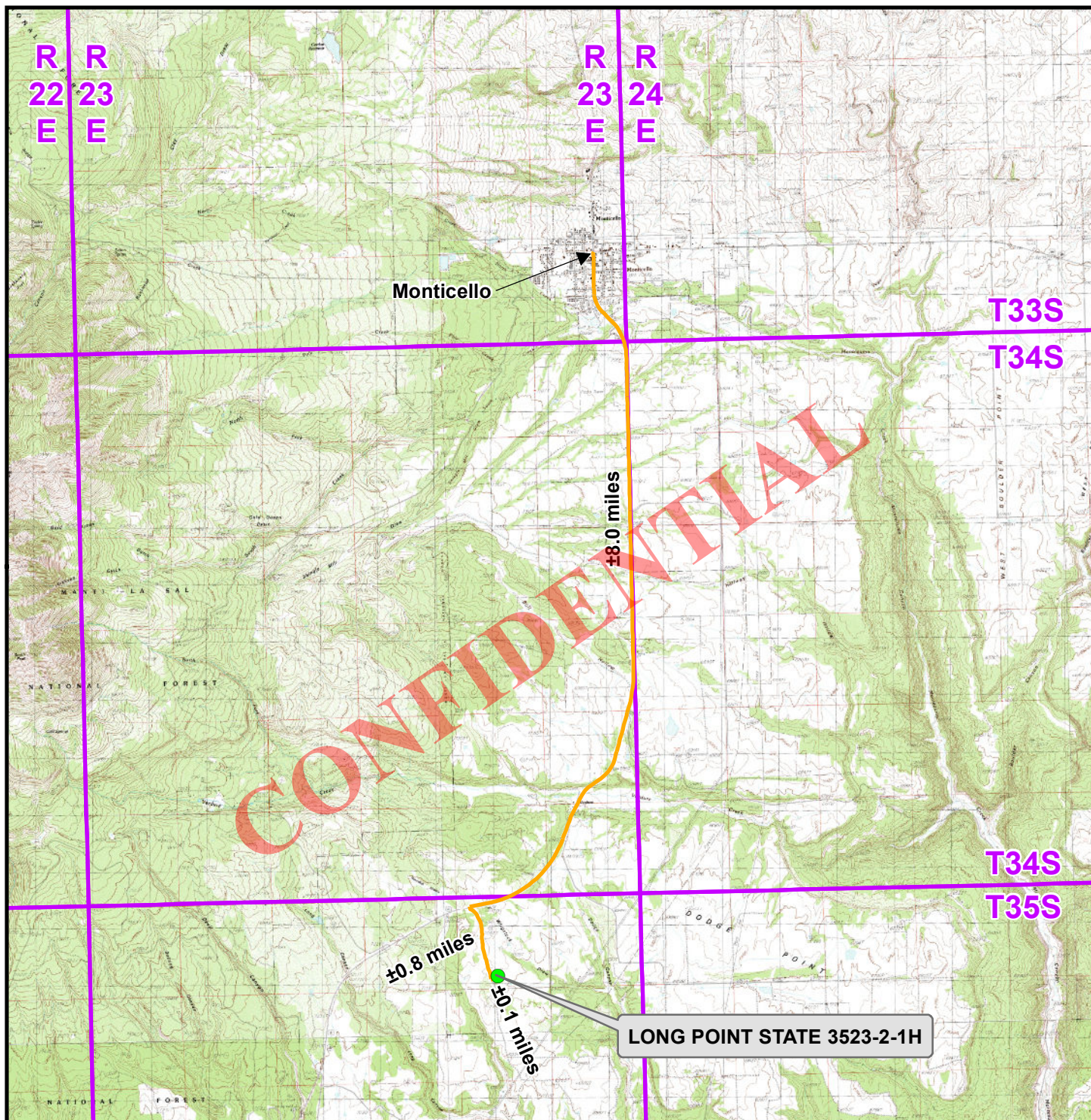
TIMBERLINE

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DATE PHOTOS TAKEN: 06-28-13	PHOTOS TAKEN BY: A.F.	SHEET NO: 6 6 OF 10
DATE DRAWN: 7-03-13	DRAWN BY: M.W.W.	
Date Last Revised:		

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Legend

- Proposed Well Location — Access Route - Proposed

WELL PAD - LONG POINT STATE 3523-2N

TOPO A
LONG POINT STATE 3523-2-1H
 LOCATED IN SECTION 2, T35S, R23E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH

Anadarko E&P
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 Denver, Colorado 80202



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 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182



SCALE: 1:100,000

NAD83 USP South

SHEET NO:

DRAWN: TL

DATE: 3 July 2013

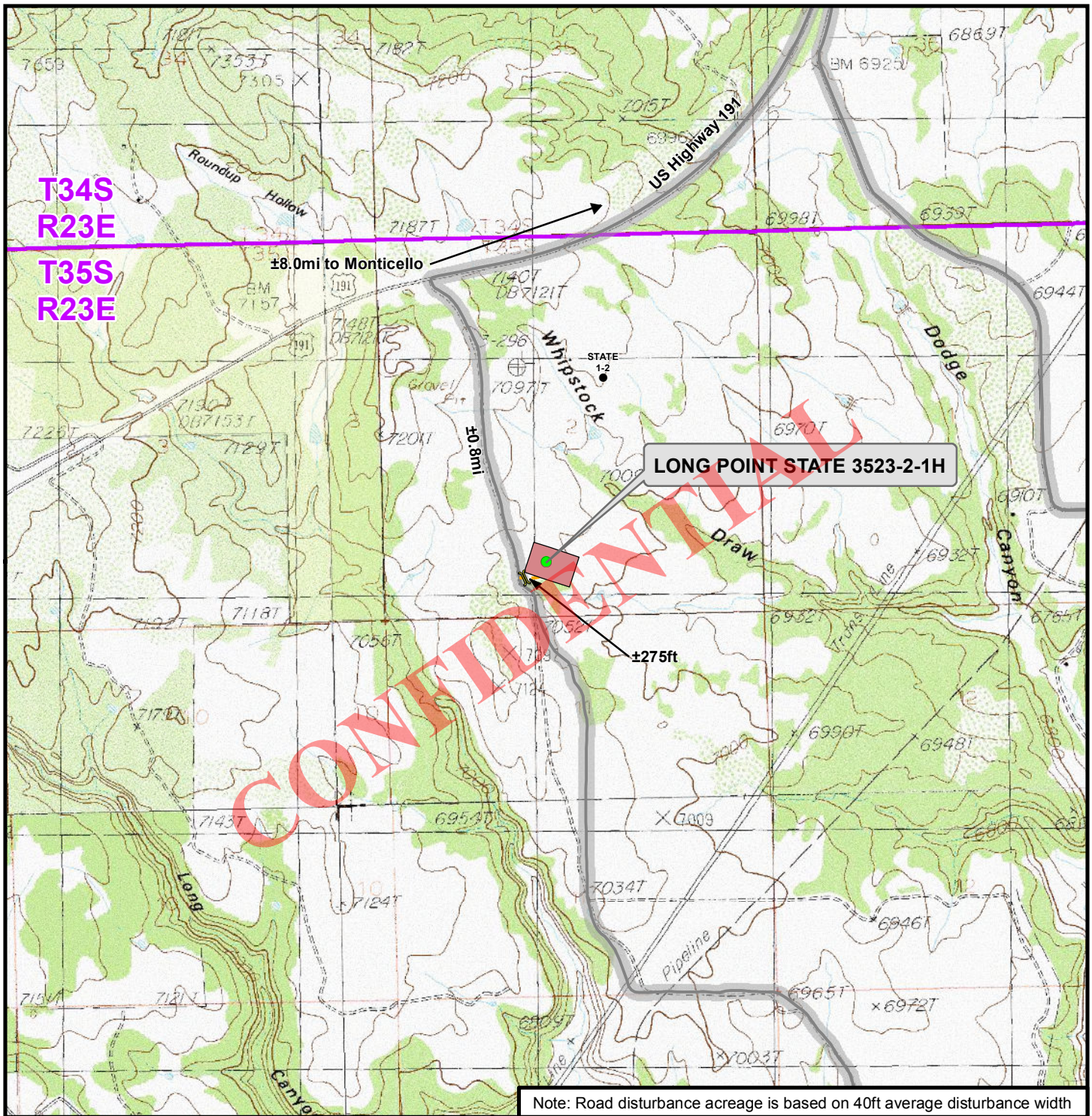
7

REVISED:

DATE:

7 OF 10

RECEIVED: July 11, 2013



Note: Road disturbance acreage is based on 40ft average disturbance width

Legend

- | | | | | | |
|-------------------|-------------------|--------------------------|----------------------|-----------------------------|---------|
| ● Well - Proposed | ■ Well Pad | --- Road - Proposed | — County Road | ■ Bureau of Land Management | ■ State |
| ● Well - Existing | — Road - Existing | — Culvert/LWC - Proposed | ■ Indian Reservation | ■ Private | |

Total Proposed Road Length: ±275ft
Total Proposed Road Disturbance: ±0.253acres

WELL PAD - LONG POINT STATE 3523-2N

TOPO B
LONG POINT STATE 3523-2-1H
LOCATED IN SECTION 2, T35S, R23E,
S.L.B.&M., SAN JUAN COUNTY, UTAH

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Denver, Colorado 80202



CONSULTING, LLC
2155 North Main Street
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182

SCALE: 1" = 2,000ft

DRAWN: TL

REVISED:

NAD83 USP South

DATE: 3 July 2013

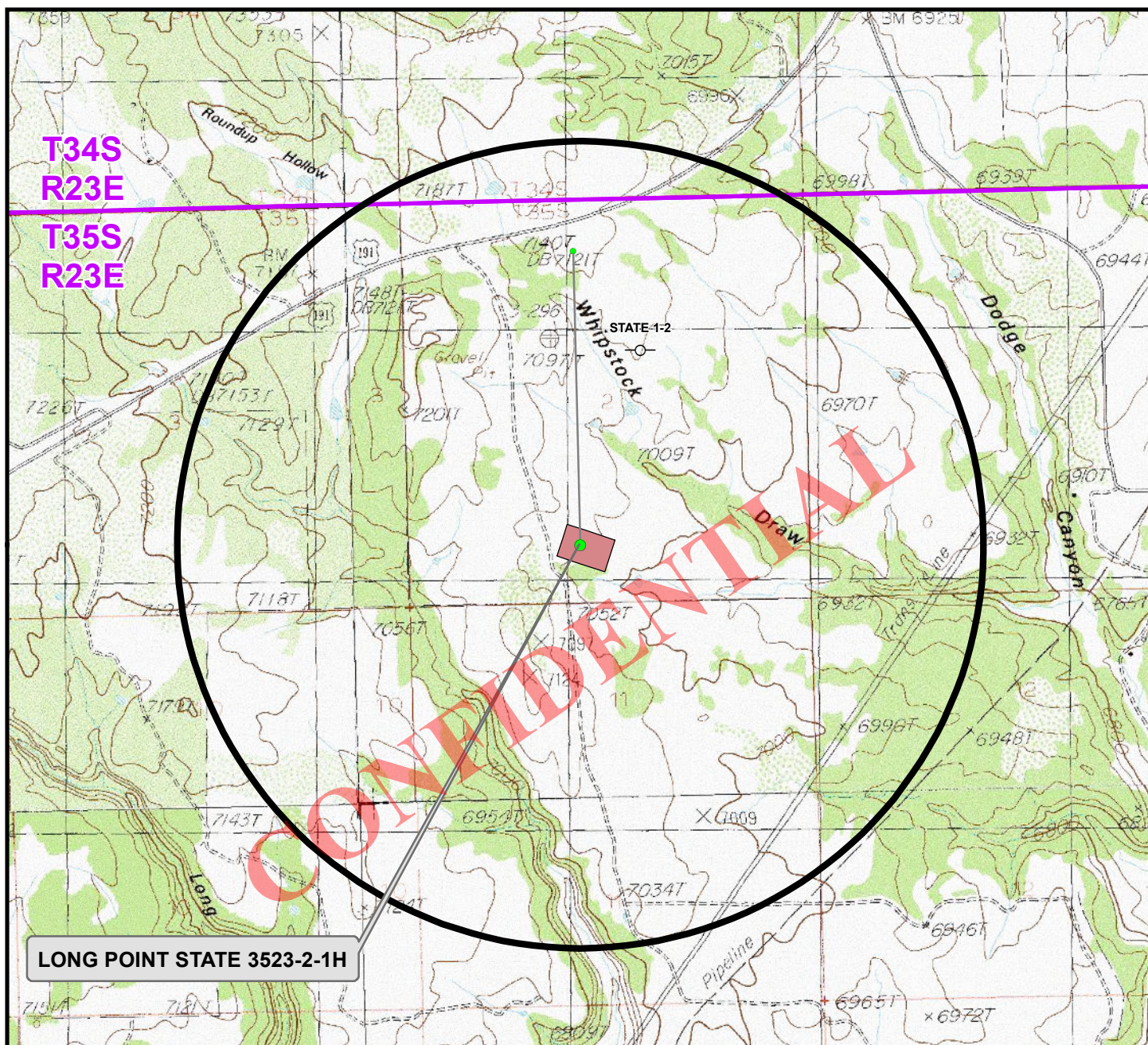
DATE:

SHEET NO:

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Well locations derived from Utah Division of Oil, Gas and Mining (UDOGM) (oilgas.ogm.utah.gov). The estimated distances from proposed bore locations to the nearest existing bore locations are based on UDOGM data.

Proposed Well	Nearest Well Bore	Footage
LONG POINT STATE 3523-2-1H	STATE 1-2	±1,550ft

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Bottom Hole - Existing
- Well Path
- Well Pad
- Well - 1 Mile Radius
- ☼ Producing
- ☼ Active
- ☼ Spudded
- ⊕ APD Approved
- New Permit
- ⊖ Temporarily-Abandoned
- ⊗ Location Abandoned
- ⊖ Plugged and Abandoned
- ⊖ Shut-In

WELL PAD - LONG POINT STATE 3523-2N

TOPO C
LONG POINT STATE 3523-2-1H
LOCATED IN SECTION 2, T35S, R23E,
S.L.B.&M., SAN JUAN COUNTY, UTAH

**Anadarko E&P
Onshore LLC**
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Phone 307-674-0609
Fax 307-674-0182

SCALE: 1" = 2,000ft

DRAWN: TL

REVISED:

NAD83 USP South

DATE: 3 July 2013

DATE:

SHEET NO:

9

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**ANADARKO E&P ONSHORE LLC
WELL PAD – LONG POINT STATE 3523-2N
WELL – LONG POINT STATE 3523-2-1H
LOCATED IN SECTION 2
T35S, R23E, S.L.B.&M.**

From the intersection of East Center Street and South Main Street in Monticello, Utah, proceed in a southerly, then southwesterly direction along South Main Street, which becomes US Highway 191, approximately 8.0 miles to the intersection of East Long Point Road to the south. Exit left and proceed in a southerly direction along East Long Point Road approximately 0.8 miles to the proposed access road to the east. Exit left and follow the road flags in a easterly direction approximately 275 feet to the proposed well pad location.

Total distance from Monticello, Utah to the proposed Long Point State 3523-2N well pad is approximately 8.8 miles in a southerly direction.

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5D Plan Report



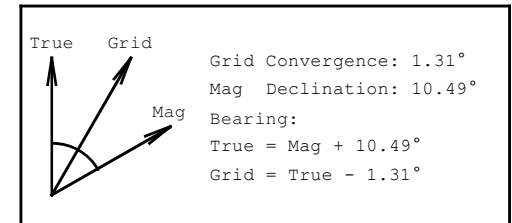
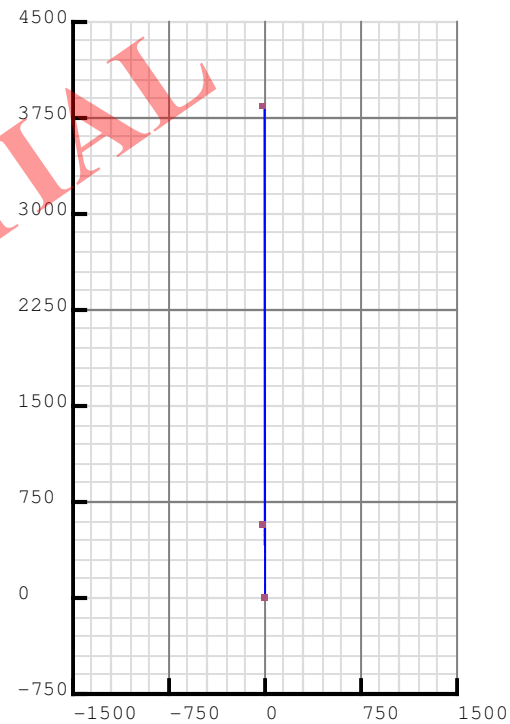
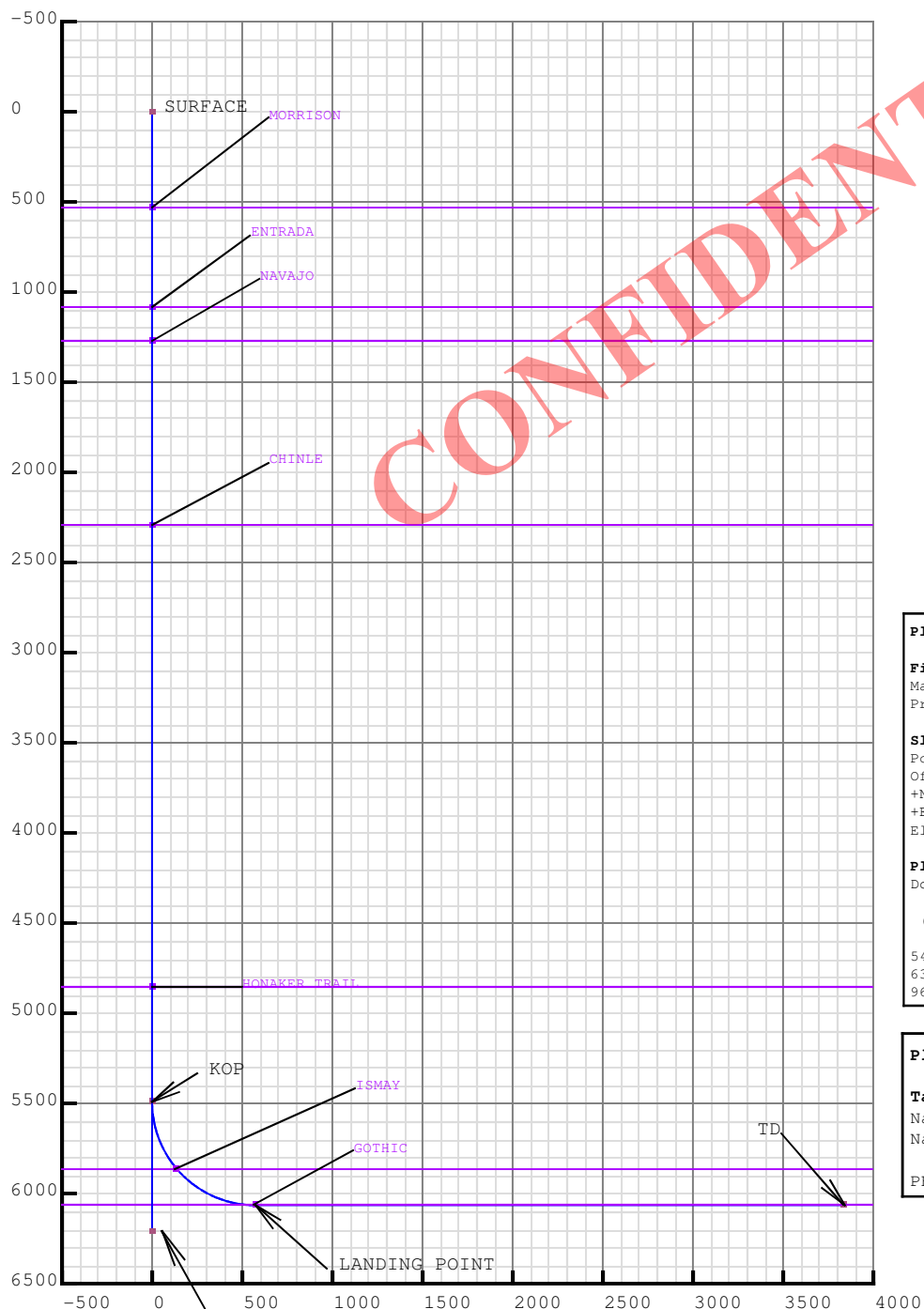
5D Plan Report

Anadarko Petroleum

Field Name: *UTAH HORIZONTALS_ANADARKO_NAD 27*
Site Name: *LONG POINT STATE 3523-2N*
Well Name: *LONG POINT 3523-2-1H LATERAL*
Plan: *WP01 PERMIT*

CONFIDENTIAL





Plan Data for LONG POINT 3523-2-1H LATERAL

Field: UTAH HORIZONTALS_ANADARKO_NAD 27

Map Unit: USft Vertical Reference Datum (VRD): Mean Sea Level
 Projected Coordinate System: NAD27 / Utah South

Slot: LONG POINT STATE 3523-2-1H

Position:

Offset is from Site centre

+N/-S: -0.00USft Northing: 404805.07USft Latitude: 37.759079°

+E/-W: 0.00USft Easting: 2617249.92USft Longitude: -109.364718°

Elevation Above VRD: 7042.00USft

Plan Point Information:

DogLeg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0R
5492.04	0.00	0.00	5492.04	0.00	0.00	0.00	0.00	0.0R
6392.04	90.00	359.96	6065.00	572.96	-0.43	572.96	10.00	0.0L
9661.29	90.00	359.96	6065.00	3842.20	-2.90	3842.20	0.00	0.0R

Plan Data for LONG POINT 3523-2-1H LATERAL

Formation Point Information:

Name	TVD Elevation (USft)	(USft)
MORRISON	539.00	6529.00
ENTRADA	1090.00	5978.00
NAVAJO	1280.00	5788.00
CHINLE	2299.00	4769.00
HONAKER TRAIL	4856.00	2212.00
ISMAY	5865.00	1203.00
GOthic	6065.00	1003.00
AKAH	6214.00	854.00

Plan Data for LONG POINT 3523-2-1H LATERAL

Target Set Information:

Name: 1

Name	TVD	Lat	Long	Shape
(USft)	(°)	(°)	(°)	
PBHL	6065.00	37.769631	-109.364728	Cuboid

PILOT HOLE TD @ 6214' TVD

RECEIVED: July 11, 2013

5D Plan Report



Weatherford®



Plan Surveys for the LONG POINT 3523-2-1H LATERAL

Site Name LONG POINT STATE 3523-2N	Units : US ft	North Reference : True	Convergence Angle : 1.31
	Position	Northing : 404805.07 US ft	Latitude : 37.759079
		Easting : 2617249.92 US ft	Longitude : -109.364718
	Elevation above: 7042.00 US ft		
Slot Name LONG POINT STATE 3523-2-1H	Position (Offsets relative to Site Centre)		
	+N / -S : -0.00 US ft	Northing : 404805.07 US ft	Latitude : 37.759079
	+E / -W : 0.00 US ft	Easting : 2617249.92 US ft	Longitude : -109.364718
	Slot TVD Reference : Ground Elevation		
Well Name LONG POINT 3523-2-1H LATERAL	Elevation above : 7042.00 US ft		
	Comment :		
	Type : Main well	UWI :	Plan : WP01 PERMIT
	Rig Height Drill Floor : 26.00 US ft	Comment :	
	Relative to : 7068.00 US ft		
	Closure Distance : 3842.2 US ft	Closure Azimuth : 359.957°	
	Vertical Section (Position of Origin Relative to Slot)		
Magnetic Parameters	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft	Az : 359.96°
	Model : BGGM	Field Strength : 50877.7nT	Dec : 10.49°
			Dip : 63.99°
			Date : 09/Jul/2013

5D Plan Report

Target Set

Name : 1

Number of Targets : 1

Comment :

TargetName:	Position (Relative to centre)			
PBHL	+N / -S : 3842.20US ft	Northing : 408646.20 US ft	Latitude : 37°46'10.671600"	
Shape:	+E / -W : -2.90 US ft	Easting : 2617159.30US ft	Longitude : -109°21'53.020800"	
Cuboid	TVD (Drill Floor) : 6065.00 US ft			
Orientation	Azimuth : 0.00°		Inclination : 0.00°	
Dimensions	Length : 1.00 US ft		Breadth : 1.00 US ft	Height : 1.00 US ft

Well path created using minimum curvature

Salient Points (Relative to centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	404805.07	2617249.92	0.00	0.00	0.00	SURFACE
5492.04	0.00	0.00	5492.04	0.00	0.00	404805.07	2617249.92	0.00	0.00	0.00	KOP
6392.04	90.00	359.96	6065.00	572.96	-0.43	405377.87	2617236.41	10.00	359.96	572.96	LANDING POINT
9661.29	90.00	359.96	6065.00	3842.20	-2.90	408646.20	2617159.30	0.00	0.00	3842.20	TD

Interpolated Points (Relative to centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	SURFACE		
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00			
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00			
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00			
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00			
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00			
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	0.00			
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	0.00			
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	0.00			
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	0.00			

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	0.00	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	0.00	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	0.00	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	0.00	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	0.00	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	0.00	

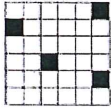
5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
5492.04	0.00	0.00	5492.04	0.00	0.00	0.00	0.00	0.00	KOP
5500.00	0.80	359.96	5500.00	0.06	-0.00	10.00	359.96	0.06	
5600.00	10.80	359.96	5599.36	10.14	-0.01	10.00	0.00	10.14	
5700.00	20.80	359.96	5695.46	37.33	-0.03	10.00	0.00	37.33	
5800.00	30.80	359.96	5785.38	80.79	-0.06	10.00	0.00	80.79	
5900.00	40.80	359.96	5866.39	139.21	-0.10	10.00	0.00	139.21	
6000.00	50.80	359.96	5936.03	210.80	-0.16	10.00	0.00	210.80	
6100.00	60.80	359.96	5992.17	293.40	-0.22	10.00	0.00	293.40	
6200.00	70.80	359.96	6033.12	384.49	-0.29	10.00	0.00	384.49	
6300.00	80.80	359.96	6057.62	481.31	-0.36	10.00	0.00	481.31	LANDING POINT
6392.04	90.00	359.96	6065.00	572.96	-0.43	10.00	0.00	572.96	
6400.00	90.00	359.96	6065.00	580.92	-0.44	0.00	0.00	580.92	
6500.00	90.00	359.96	6065.00	680.92	-0.51	0.00	0.00	680.92	
6600.00	90.00	359.96	6065.00	780.92	-0.59	0.00	0.00	780.92	
6700.00	90.00	359.96	6065.00	880.92	-0.66	0.00	0.00	880.92	
6800.00	90.00	359.96	6065.00	980.92	-0.74	0.00	0.00	980.92	
6900.00	90.00	359.96	6065.00	1080.92	-0.81	0.00	0.00	1080.92	
7000.00	90.00	359.96	6065.00	1180.92	-0.89	0.00	0.00	1180.92	
7100.00	90.00	359.96	6065.00	1280.92	-0.97	0.00	0.00	1280.92	
7200.00	90.00	359.96	6065.00	1380.92	-1.04	0.00	0.00	1380.92	
7300.00	90.00	359.96	6065.00	1480.92	-1.12	0.00	0.00	1480.92	
7400.00	90.00	359.96	6065.00	1580.92	-1.19	0.00	0.00	1580.92	
7500.00	90.00	359.96	6065.00	1680.92	-1.27	0.00	0.00	1680.92	
7600.00	90.00	359.96	6065.00	1780.92	-1.34	0.00	0.00	1780.92	
7700.00	90.00	359.96	6065.00	1880.92	-1.42	0.00	0.00	1880.92	
7800.00	90.00	359.96	6065.00	1980.92	-1.49	0.00	0.00	1980.92	
7900.00	90.00	359.96	6065.00	2080.92	-1.57	0.00	0.00	2080.92	
8000.00	90.00	359.96	6065.00	2180.92	-1.64	0.00	0.00	2180.92	
8100.00	90.00	359.96	6065.00	2280.92	-1.72	0.00	0.00	2280.92	
8200.00	90.00	359.96	6065.00	2380.92	-1.79	0.00	0.00	2380.92	
8300.00	90.00	359.96	6065.00	2480.92	-1.87	0.00	0.00	2480.92	
8400.00	90.00	359.96	6065.00	2580.92	-1.94	0.00	0.00	2580.92	
8500.00	90.00	359.96	6065.00	2680.92	-2.02	0.00	0.00	2680.92	
8600.00	90.00	359.96	6065.00	2780.92	-2.10	0.00	0.00	2780.92	
8700.00	90.00	359.96	6065.00	2880.92	-2.17	0.00	0.00	2880.92	
8800.00	90.00	359.96	6065.00	2980.92	-2.25	0.00	0.00	2980.92	
8900.00	90.00	359.96	6065.00	3080.92	-2.32	0.00	0.00	3080.92	
9000.00	90.00	359.96	6065.00	3180.92	-2.40	0.00	0.00	3180.92	
9100.00	90.00	359.96	6065.00	3280.92	-2.47	0.00	0.00	3280.92	
9200.00	90.00	359.96	6065.00	3380.92	-2.55	0.00	0.00	3380.92	
9300.00	90.00	359.96	6065.00	3480.91	-2.62	0.00	0.00	3480.92	

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)									
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
9400.00	90.00	359.96	6065.00	3580.91	-2.70	0.00	0.00	3580.92	
9500.00	90.00	359.96	6065.00	3680.91	-2.77	0.00	0.00	3680.92	
9600.00	90.00	359.96	6065.00	3780.91	-2.85	0.00	0.00	3780.92	
9661.29	90.00	359.96	6065.00	3842.20	-2.90	0.00	0.00	3842.20	TD

Formation Points (Relative to centre, TVD relative to Drill Floor)			
Name	MD (US ft)	TVD (US ft)	
AKAH	N/A	6214.00	
MORRISON	539.00	539.00	
ENTRADA	1090.00	1090.00	
NAVAJO	1280.00	1280.00	
CHINLE	2299.00	2299.00	
HONAKER TRAIL	4856.00	4856.00	
ISMAY	5898.16	5865.00	
GOthic	6392.04	6065.00	



State of Utah
School and Institutional
Trust Lands Administration

675 East 500 South #500
Salt Lake City, UT 84102-2818
Telephone No. (801)538-5100
Fax No. (801)355-0922

Web site: trustlands.utah.gov

Date: 06/13/2013

DESIGNATION OF OPERATOR

The undersigned is, on the records of the School and Institutional Trust Lands Administration, holder of lease,
ML 48563

And hereby designates:

Operator Name: Lodestone Operating Inc.
Address: 1605 Highway #181
Suite #169
City: Portland
State: Texas Zip Code: 78374

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director of the Administration or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to (describe acreage to which this designation is applicable):

Township	Range	Section	Legal Description	Acres
35 South	23 East	2	Lots 1-4, S/2N/2, N/2 (All)	638.76
Total Acres:				638.76


Operator agrees to comply with all lease provisions, statutes, rules, and regulations, whether federal, state, or local, in its operations on the subject lease.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Trust Lands Administration or his representative.

The lessee agrees promptly to notify the Trust Lands Administration of any change in the designated operator.

Lessee Name: Anadarko E&P Onshore LLC
Address: 1099 18th Street
Suite 1800
City: Denver
State: Colorado Zip Code: 80202

Signature of Lessee:  Date: 6/14/13

Enrique Nelson, Agent & Attorney in Fact

Signature of Operator:  Date: 6/16/13

David Reavis, President

LODESTONE OPERATING, INC.

1605 Highway 181, #169

Portland, Texas 78374

Phone: 361-877-7077

dmr@lodestoneoperating.com

June 15, 2013

Keefe Perkins
Land Department
Anadarko Petroleum Corporation
Denver, Colorado

Re: Permission to enter upon State 1-2 Lease
Sec. 2, T35S-R23E, San Juan County, Utah

Dear Mr. Perkins:

This letter shall serve to authorize Anadarko Petroleum Corporation, its affiliates, contractors, sub-contractors, agents, and any others designated by it (hereinafter collectively "Anadarko"), to enter onto the above lease. The purposes for said entry shall include, but not be limited to, inspecting the lease by visual or other means, inspecting the existing well (State 1-2) and location, inspecting the entirety of the associated pipeline ROW (including portions off the lease), surveying the lease, surveying for and staking a proposed well, and any other activities necessary in preparation for future drilling and production operations. Similarly, Anadarko shall be authorized to use the existing highway entry, gate, and lease road.

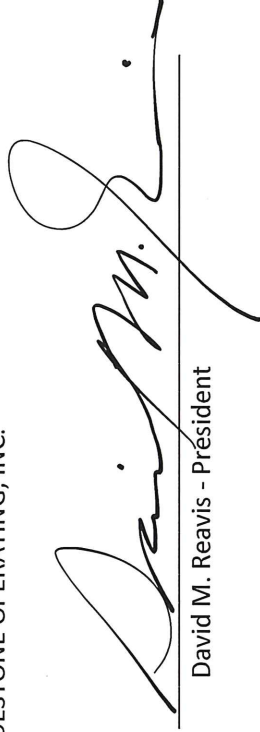
Consideration for this grant shall consist of a portion of that contemplated under the negotiated agreement between the parties concerning Anadarko's purchase of a portion of the leasehold estate. Anadarko shall be exclusively liable for any costs and expenses arising out of its entry and activities on said lease. Additionally, Lodestone shall be exclusively liable for any prior operations or activities, or any which Lodestone may undertake on the lease in the future.

To facilitate entry, Anadarko may use Lodestone's existing lock (combination 7077), and may put its own lock on the gate (allowing access by other parties with existing locks).

Very truly yours:

LODESTONE OPERATING, INC.

By: _____



David M. Reavis - President

Anadarko E&P Onshore, LLC

Surface Use Plan of Operations

LONG POINT STATE 3523-2-1H

Surface: 760 FSL / 2250 FWL SESW
BHL: 660 FNL / 2250 FWL NENW

A. Existing Roads:

Existing roads consist of county and improved/unimproved access roads (two-tracks). In accordance with Onshore Order #1, Anadarko E&P Onshore, LLC (Anadarko) will, in accordance with BMPs, improve or maintain existing roads in a condition that is the same as or better than before operations began. No new disturbance will be created with these activities.

The existing roads will be maintained in a safe and usable condition. Maintenance for existing roads will continue until final abandonment and reclamation of well pads and/or other facilities, as applicable. Road maintenance will include, but is not limited to, blading, ditching, and/or culvert installation and cleanout. To ensure safe operating conditions, gravel surfacing will be performed where excessive rutting or erosion may occur. Dust control will be performed as necessary to ensure safe operating conditions.

B. Location of Existing and/or Proposed Facilities:

Should the well prove productive, production facilities will be installed on the disturbed portion of each well pad. A berm will be constructed completely around production components (typically excluding dehy's and/or separators) that contain fluids (i.e. production tanks, produced liquids tanks). The berms will generally be constructed of compacted subsoil or corrugated metal, and will hold the capacity of the largest tank and have sufficient freeboard to accommodate a 25 year rainfall event. This includes pumping units. Gas that may be produced will be flared on location. A production facility layout is provided as part of a project-specific APD.

Anadarko will place a 30 millimeter thick impermeable liner under the rig. A single felt liner will also be installed under the impermeable liner for padding. The liner will be approximately 200' by 200', and should cover the entire rig, mud tanks, fuel tanks and any other equipment needed during the drilling operations.

C. Pits for Drilling and Completions:

Anadarko will use a closed loop mud drilling system that will require one pit and one storage area to be constructed on the drilling pad. The storage area will be used to contain only the de-watered drill cuttings and will be lined and reclaimed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit is lined with felt and 30

mil liner and will be used for the well drilled on the pad. All four sides of the completions pit will be fenced in according to standard pit fencing procedures. Netting will be installed over all pits.

Anadarko will use a closed loop mud system and will rent an oil based mud from Anchor and will be returning the oil based mud that is left at the end of the well to Anchor. Anadarko will utilize drip pans, catch pans, and secondary containment on the well site. Upon completions of the re-entry, Anadarko will either treat and bury the cuttings in a pit on the well pad, or collect the cuttings in boxes to have hauled off to a land farm in Altamont for disposal.

D. Location and Types of Water Supply:

Water for drilling and completion operations will be obtained from the city of Dove Creek, Colorado and/or from the city of Monticello, Utah. Water will be hauled to location over the existing access roads. No water well is to be drilled on this lease.

E. Methods for Handling Waste:

All wastes subject to regulation will be handled in compliance with applicable laws to minimize the potential for leaks or spills to the environment. Anadarko also maintains a Spill Control and Countermeasure Plan, which includes notification requirements, including the BLM, for all reportable spills of oil, produced liquids, and hazardous materials.

Any accidental release, such as a leak or spill in excess of the reportable quantity, as established by 40 CFR Part 117.3, will be reported as per the requirements of CERCLA, Section 102 B. If a release involves petroleum hydrocarbons or produced liquids, Anadarko will comply with the notification requirements of NTL-3A. Drill cuttings and/or drilling fluids will be contained in the reserve/frac pit. Cuttings will be buried in pit(s) upon closure.

Pits will be constructed to minimize the accumulation of surface precipitation runoff into the pit (via appropriate placement of subsoil storage areas and/or construction of berms, ditches, etc.). Should unexpected liquid petroleum hydrocarbons (crude oil or condensate) be encountered during drilling, completions or well testing, liquid petroleum hydrocarbons will either be contained in test tanks on the well site or evacuated by vacuum trucks and transported to an approved disposal/sales facility. Should petroleum hydrocarbons unexpectedly be released into a reserve/completion pit, they will be removed as soon as practical but in no case will they remain longer than 72 hours unless an alternate is approved by the BLM. Should timely removal not be feasible, the pit will be netted as soon as practical. Similarly, hydrocarbon removal will take place prior to the closure of the pit, unless authorization is provided for disposal via alternate pit closure methods (e.g. solidification).

The reserve and/or fracture stimulation pit will be lined with an impermeable liner. The liner will be a synthetic material 30 mil or thicker. The bottom and side walls of the pit will be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, bentonite, straw, etc.) that could damage the liner. After evaporation and when dry, the reserve pit liners will be cut off, ripped and/or folded back (as

safety considerations allow) as near to the mud surface as possible and buried on location or hauled to a landfill prior to backfilling the pit with a minimum of five feet of soil material.

Pits containing drilling cuttings, mud, and/or completions fluids will be allowed to dry. Any free fluids remaining after one year from reaching total depth, date of completion, and/or determination of inactivity will be removed (as weather conditions allow) to an approved site and the pit reclaimed. Installation and operation of any sprinklers, pumps, and equipment will ensure that water spray or mist does not drift.

For the protection of livestock and wildlife, all open pits (excluding flare pits) will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet. Siphons, catchments, and absorbent pads will be installed to keep hydrocarbons produced by the drilling rig or other equipment on location from entering the reserve pit. Hydrocarbons, contaminated pads, and/or soils will be disposed of in accordance with state and federal requirements.

Portable, self-contained chemical toilets and/or sewage processing facilities will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. All applicable regulations pertaining to disposal of human and solid waste will be observed.

F. Materials Management

Hazardous materials above reportable quantities will not be produced by drilling or completing proposed wells or constructing the pipelines/facilities. The term "hazardous materials" as used here means: (1) any substance, pollutant, or containment listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended 42 U.S.C. 9601 et seq., and the regulations issued under CERCLA; and (2) any hazardous waste as defined in RCRA of 1976, as amended. In addition, no extremely hazardous substance, as defined in 40 CFR 355, in threshold planning quantities, would be used, produced, stored, transported, or disposed of while producing any well.

Hazardous materials may be contained in some grease or lubricants, solvents, acids, paint, and herbicides, among others as defined above. Anadarko maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances that are used during the course of construction, drilling, completion, and production operations for this project. The transport, use, storage and handling of hazardous materials will follow procedures specified by federal and state regulations. Transportation of hazardous materials to the well location is regulated by the Department of Transportation (DOT) under 49 CFR, Parts 171-180. DOT regulations pertain to the packing, container handling, labeling, vehicle placarding, and other safety aspects.

Potentially hazardous materials used in the development or operation of wells will be kept in limited quantities on well sites and at the production facilities for short periods of time. Chemicals meeting the

criteria for being an acutely hazardous material/substance or meet the quantities criteria per BLM Instruction Memorandum No. 93-344 will not be used.

Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act (SARA) in quantities of 10,000 pounds or more may be produced and/or stored at production facilities (crude oil/condensate, produced water). They may also be kept in limited quantities on drilling sites (barite, diesel fuel, cement, cottonseed hulls, etc.) for short periods of time during drilling or completion activities.

G. Surface Ownership:

Tamara Barton, Trustee
Tamara Barton Living Trust
76 West 700 North
Blanding UT 84511
(435) 678-2080

Barbara Callister
162 North 100 East
Delta, UT 84624
(435) 864-2691

CONFIDENTIAL

H. Lessee's or Operators' Representative & Certification:

Gina T. Becker
Senior Regulatory Analyst
Anadarko E&P Onshore, LLC
PO Box 173779
Denver, CO 80217-3779
(720) 929-6086

Tommy Thompson
General Manager, Drilling
Anadarko E&P Onshore, LLC
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Anadarko E&P Onshore, LLC is considered to be the operator of the subject well. Anadarko E&P Onshore, LLC agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

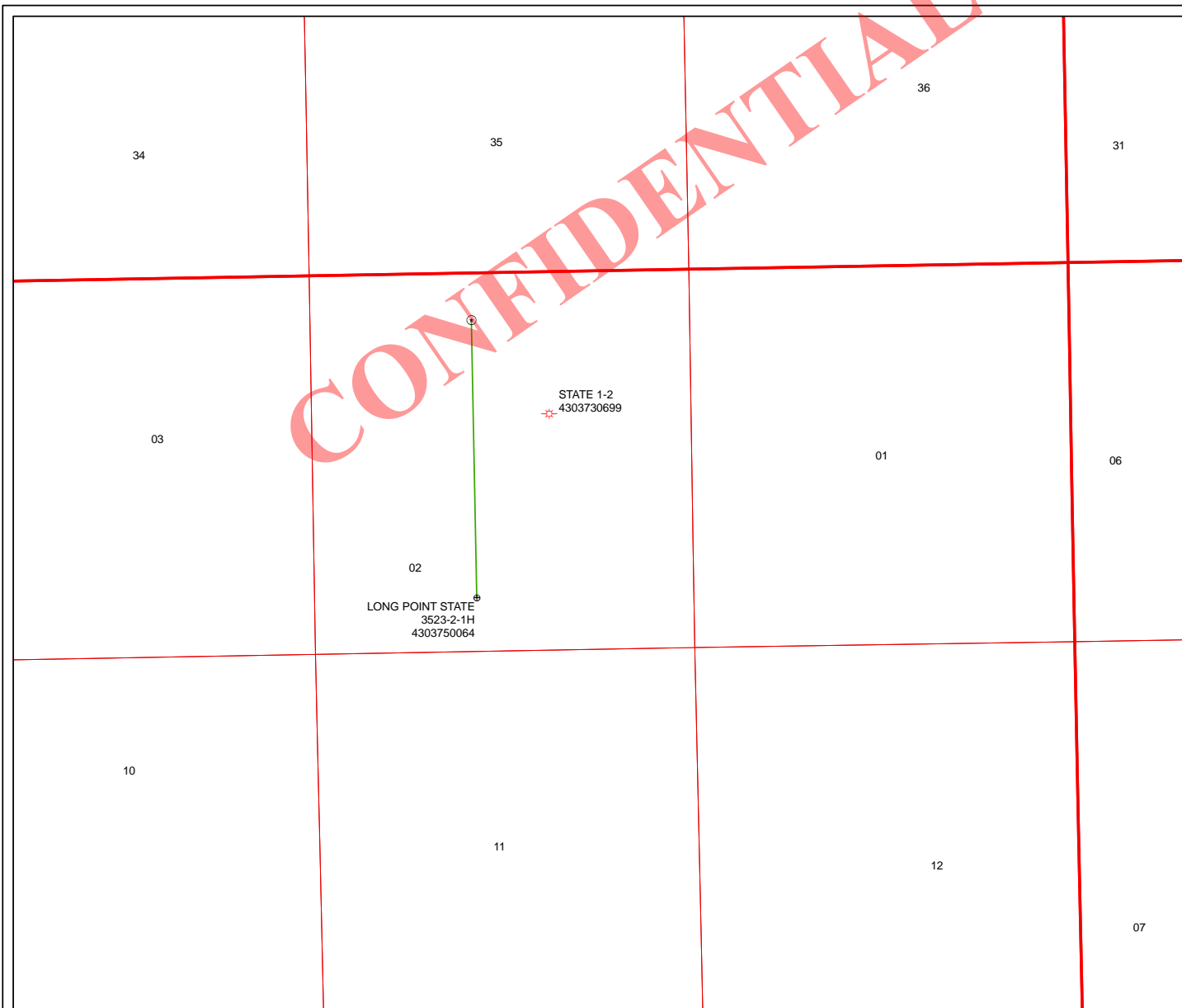
Bond coverage for State lease activities is provided by State Surety Bond 22013542.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.


Gina T. Becker

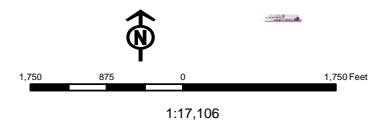
July 11, 2013
Date

CONFIDENTIAL



API Number: 4303750064
Well Name: LONG POINT STATE 3523-2-1H
Township T35.0S Range R23.0E Section 02
Meridian: SLBM
Operator: ANADARKO E&P ONSHORE, LLC
Map Prepared:
Map Produced by Diana Mason

Units	
STATUS	
	ACTIVE
	EXPLORATORY
	GAS STORAGE
	NF PP OIL
	NF SECONDARY
	PI OIL
	PP GAS
	PP GEOTHERMAL
	PP OIL
	SECONDARY
	TERMINATED



AFFIDAVIT OF SURFACE USE AGREEMENT

I, Michael P. Coder, Land Manager for Anadarko Petroleum Corporation, do hereby state the following:

Anadarko E&P Onshore LLC has entered into a Surface Use Agreement with Tamara Barton, Trustee of the Tamara Barton Living Trust, dated November 2, 2011, 76 West 700 North, Blanding, Utah 84511, as to an undivided 50% interest, and Barbara Callister, 162 North 100 East, Delta, Utah 84624, as to an undivided 50% interest.

This Surface Use Agreement remains in force and was entered into effective July 31, 2013, covering the following lands in San Juan County, Utah:

See attached Exhibit "A"

Executed this 1st day of August, 2013.

Michael P. Coder
Michael P. Coder
Anadarko Petroleum Corporation

Exhibit "A"

Township 35 South, Range 23 East, SLM

Section 2: Lots 1, 2, 3, and 4, S/2N/2, and S/2 (All) less Parcel 1
described as follows:

Parcel 1:

Highway #191, described as: A parcel of land in fee for an expressway known as Project No. 0402, being part of an entire tract of property, in Lot 1, 2, and 3 of Section 2, T. 35 S., R. 23 E., S.L.B. & M. Said parcel of land is contained within two side lines parallel to, concentric with, and at distances of 100.0 ft. northerly and 100.0 ft. southerly from the center line of said project. Said center line is described as follows:

Beginning at the intersection of the north boundary line of Section 2 and said center line at Engineer Station 403+74.97, which point is 2234.96 ft. west from the NE. corner of said Section 2; thence Westerly 1214.17 ft. along the arc of an 5729.58-foot radius curve to the right to Engineer Station 415+89.14 Back, which equals Engineer Station 415+64.82 Ahead (Note: Tangent to said curve at its point of beginning bears S. 67°25'30"W.); thence S. 79°34' W. 1189.52 ft. to a point of tangency with a 7639.44-foot radius curve to the left; thence Westerly 725.80 ft. along the arc of said curve to the intersection of said center line at Engineer Station 434+80.14 and the west boundary line of said Section 2, which point is 1903.89 ft. north from the W¼ corner of said Section 2 as shown on the official map of said project on file in the office of the State Road Commission of Utah. The above described parcel of land contains 14.37 acres, more or less, of which 7.45 acres, more or less, are now occupied by the existing highway. Balance 6.92 acres, more or less.

(containing 624.39 acres, more or less, the "Lands")

Well Name	ANADARKO E&P ONSHORE, LLC LONG POINT STATE 3523-2-1H 430			
String	SURF	I1	PROD	
Casing Size(in)	9.625	7.000	4.500	
Setting Depth (TVD)	2000	6065	6065	
Previous Shoe Setting Depth (TVD)	0	2000	6065	
Max Mud Weight (ppg)	8.4	10.0	10.0	
BOPE Proposed (psi)	500	5000	5000	
Casing Internal Yield (psi)	3520	11220	14420	
Operators Max Anticipated Pressure (psi)	2911		9.2	

Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	874	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	634	NO <input type="text" value="diverter"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	434	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	434	NO <input type="text" value="No expected pressure"/>
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

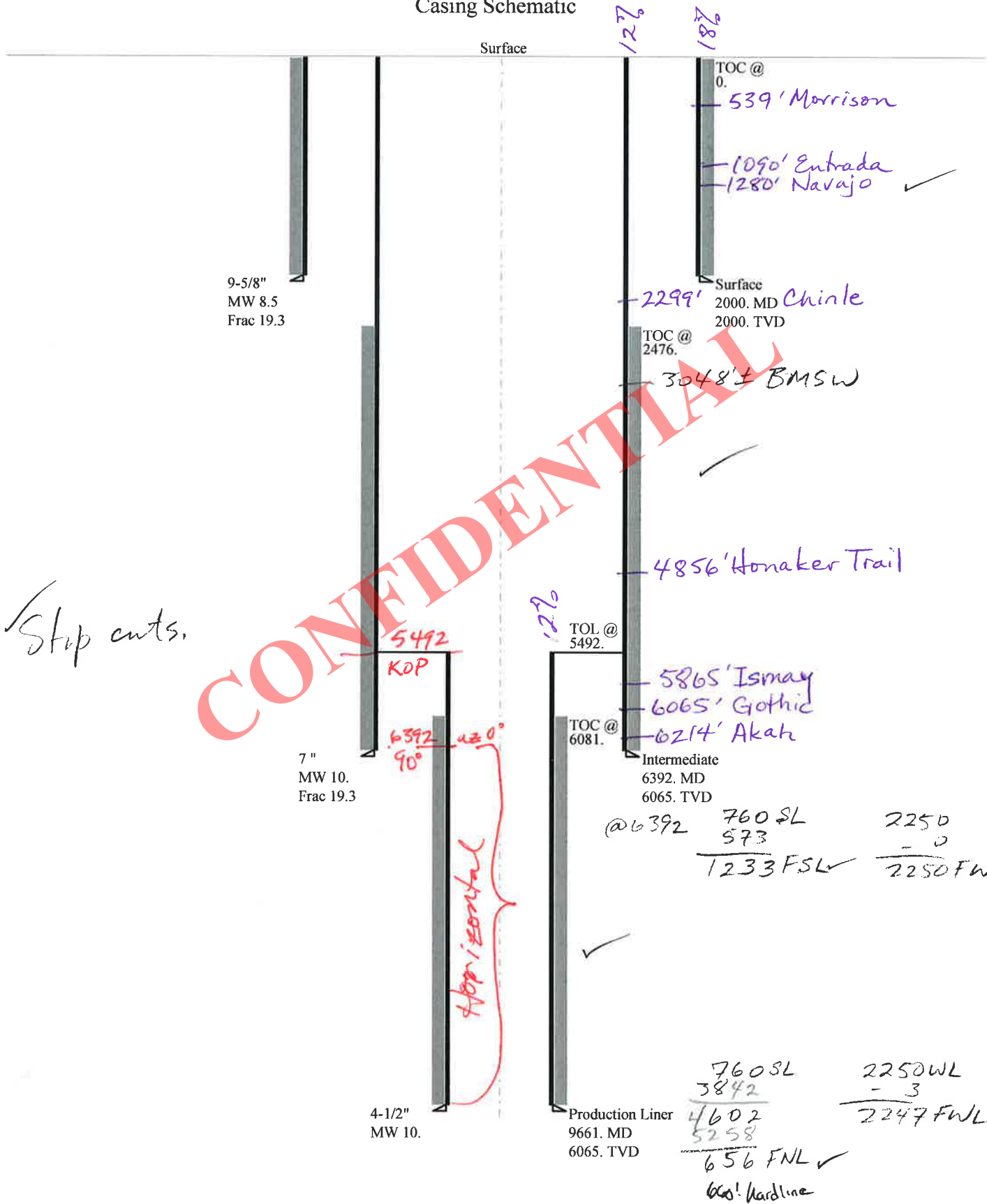
Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	3154	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2426	YES <input type="text" value="5M BOPE, dbl ram, 2 chokes, 5M annular"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1820	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2260	NO <input type="text" value="OK"/>
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2000	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3154	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2426	YES <input type="text" value="5M BOPE, dbl ram, 2 chokes, 5M annular"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1820	YES <input type="text" value="OK"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3154	YES <input type="text" value=""/>
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		6065	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO <input type="text" value=""/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="text" value=""/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="text" value=""/>
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43037500640000 Long Point St 3523-2-1H

Casing Schematic



Well name:	43037500640000 Long Point St 3523-2-1H	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Surface	Project ID: 43-037-50064
Location:	SAN JUAN COUNTY	

Design parameters:**Collapse**

Mud weight: 8.490 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 102 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,000 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 1,749 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,065 ft
Next mud weight: 10.000 ppg
Next setting BHP: 3,151 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure: 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2000	9.625	36.00	J-55	LT&C	2000	2000	8.796	16355
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	882	2020	2.290	2000	3520	1.76	72	453	6.29 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 26, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.49 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43037500640000 Long Point St 3523-2-1H	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Intermediate	Project ID: 43-037-50064
Location:	SAN JUAN COUNTY	

Design parameters:**Collapse**

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 159 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 2,476 ft

Burst

Max anticipated surface pressure: 1,816 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,151 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,147 ft

Directional Info - Build & Hold

Kick-off point 5492 ft
Departure at shoe: 573 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 90 °

Re subsequent strings:

Next setting depth: 6,065 ft
Next mud weight: 10.000 ppg
Next setting BHP: 3,151 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 6,065 ft
Injection pressure: 6,065 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6392	7	29.00	P-110	LT&C	6065	6392	6.059	72182

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3151	8530	2.707	3151	11220	3.56	175.9	797	4.53 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 26, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6065 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43037500640000 Long Point St 3523-2-1H	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Production Liner	Project ID: 43-037-50064
Location:	SAN JUAN COUNTY	

Design parameters:**Collapse**

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 159 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 6,081 ft

Burst

Max anticipated surface pressure: 1,816 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,151 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 6,077 ft

Liner top: 5,492 ft

Directional Info - Build & Hold

Kick-off point 5492 ft
Departure at shoe: 3842 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 90 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4161	4.5	15.10	HCP-110	DQX	6065	9661	3.701	219701
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3151	15500	4.920	3151	14420	4.58	8.5	484.8	56.83 J

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: August 26, 2013
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 6065 ft, a mud weight of 10 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator ANADARKO E&P ONSHORE, LLC
Well Name LONG POINT STATE 3523-2-1H
API Number 43037500640000 **APD No** 8268 **Field/Unit** WILDCAT
Location: SESW **Sec 2** **Tw** 35.0S **Rng** 23.0E 760 FSL 2250 FWL
1/4, 1/4
GPS Coord (UTM) **Surface Owner** Tamara Barton, Trustee / Barbara Callister

Participants

Bart Kettle-DOGM, Tamara & Tad Barton-Surface Owner, Gina Becker-Anadarko E&P Onshore LLC, Hal Blanchard-Anadarko E&P Onshore LLC, Brad Burman-Anadarko E&P Onshore LLC, Griz Olene-Anadarko E&P, Buckie Stanley-Anadarko E&P Onshore, Mitch Batty-Timberline

Regional/Local Setting & Topography

The proposed project is located ~10 miles south of Monticello in San Juan County Utah. Locally the proposed project is surrounded by agriculture lands used to grow dry land crops including small grains, sun flower, saflower, beans, alfalfa and dry land pasture on the Great Sage Plain. Regionally the project area is within the Colorado Plateau in the Four corners area on what is commonly referred to as the Canyon Lands Region. The Four Corners area is known for its Native American ruins and culture. The Canyon Lands Region is distinguished by its broad mesas cut by spectacular sandstone canyons. Climate in this region tends to be arid, with a sparsely vegetated landscape prone to erosion. Topography rises sharply to the west reaching elevations in excess of 11,000 atop the Abajo Mountains. Montane forest and high elevation grass/forb communities dominate vegetation. To the east a series of mesas rise to the Rico Mountains in western Colorado. Vegetation is a mixture of salt desert scrub, Pinion/Juniper and montane forest. Precipitation at the project site is considered a 16" zone. Drainage flows into Montezuma Creek within a 1 1/2 miles and onto the San Juan River 30 miles away.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.01	Width 435 Length 660		MRSN

Ancillary Facilities Y

Man camp will be placed on location.

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Flora

Trees: Utah Juniper

Shrubs: Gamble oak, black sage, mountain big sage, apple brush, mountain mahogany, Utah service berry, antelope bitter brush, common snowberry

Grass: Thickspike wheat grass, Nevada blue grass, mutton grass, Letterman's needle grass.

Forbs: buckwheat spp., penstemon spp., fringed sage, globe mallow, brown eye Susan, ground smoke, yarrow.

Fauna: Rocky mountain elk, mule deer, mountain lion, black bear, coyote, kit fox, gray fox, badger, cotton tail rabbit, black tailed jack rabbit, spotted skunk, and Gunnison prairie dog. Host of small rodents and reptiles possible such as: woodrat spp, kangaroo rat spp., deer mouse, pinion mouse, rock squirrel, and antelope squirrel.. Seasonal use by migrating birds such as sage sparrow, cassin finch, house finch, pinion jay, white crowned sparrow, gray crowned rosy finch, blue gray knat catcher, Bewick's wren, black throated sparrow, black capped chickadee, Brewers sparrow, bushtit, western kingbird, chipping sparrow, common nighthawk, Coppers hawk, sharp shin hawk, red tailed hawk, ruff legged hawk, golden eagle, bald eagle turkey vulture, Downey wood pecker, juniper titmouse, northern shrike, mountain bluebird, mourning dove, pine siskin, sage thrasher, western blue bird, and western meadow lark.

Soil Type and Characteristics

Mix dependant on portion of well pad. Eastern portions of well pad deep to moderately deep loams and sandy loams brown, gray and orange in color. Western portions of site purple, gray and brown weathered shale's, shallow and find clays in texture.

Erosion Issues Y

Site prone to water erosion due to higher snow accumulations and intense monsoon rain events.

Sedimentation Issues Y

Excessive sediment possible until disturbed soils re-vegetated.

Site Stability Issues N

Provided Corner #2 & 8 are rounded to prevent disturbance of existing drainages site appears suitable for proposed drilling program.

Drainage Diverson Required? Y

Storm water shall be diverted around the western side of well pad and at access road entrance onto well pad.

Berm Required? N

Erosion Sedimentation Control Required? Y

Disturbed soils including top soil pile should be re-seeded within one year following construction.

Paleo Survey Run? N Paleo Potental Observed? N Cultural Survey Run? N Cultural Resources? N

Reserve Pit

Site-Specific Factors

Distance to Groundwater (feet)

Site Ranking

20

Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	TDS>5000 and	10
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score	45	1 Sensitivity Level

Characteristics / Requirements

Reserve pit will not be permitted at this site, a closed loop drilling system is being proposed.

Completions pit will be permitted with a 30 mil liner as proposed.

All E&P materials, including drill cuttings, shall be contained in steel tanks or an approved pit containing a synthetic liner until it can be demonstrated such materials meet DOGM stands for abandonment. E&P materials, such as drilling cuttings, shall conform to the following DOGM standards prior to abandonment: Electrical Conductivity

Closed Loop Mud Required? Y Liner Required? Y Liner Thickness 20 Pit Underlayment Required? N

Other Observations / Comments

High quality ground water is thought to occur in underlaying sandstone.

Potential for conflicts between livestock grazing and oil and gas activity exist.

Bart Kettle
Evaluator

8/6/2013
Date / Time

Application for Permit to Drill

Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8268	43037500640000	LOCKED	OW	P	No
Operator	ANADARKO E&P ONSHORE, LLC		Surface Owner-APD	Tamara Barton, Trustee / Barbara Callister	
Well Name	LONG POINT STATE 3523-2-1H		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	SESW 2 35S 23E S 760 FSL (UTM) 643984E 4180340N		2250 FWL GPS Coord		

Geologic Statement of Basis

Anadarko E&P Onshore, LLC proposes to drill the well to a total depth of 6,065' and plans to set surface casing from 0'-2,000'. The surface string will be drilled using a water based mud. Within a one-mile radius there are no underground water rights; however, groundwater can be expected as shallow as 100' below the ground surface. The base of the moderately saline groundwater is approximately 3,048' below the ground surface, based on DNR Technical Publication #94. Several units of the Morrison Formation, Entrada Sandstone, and Navajo Sandstone are present within the subsurface; these strata are likely to contain useable groundwater and are within the interval to be protected by the surface casing string. The operator should be aware of the likelihood of these and other units being water saturated and to respond to protecting these zones by extending the surface casing as necessary. Proposed surface casing and cement should adequately isolate any shallow zones containing water.

Ammon McDonald
APD Evaluator

8/20/2013
Date / Time

Surface Statement of Basis

Surface evaluation completed on August 6, 2013. In attendance: Bart Kettle-DOGM, Tamara & Tad Barton-Surface Owner, Gina Becker-Anadarko E&P Onshore LLC, Hal Blanchard-Anadarko E&P Onshore LLC, Brad Burman-Anadarko E&P Onshore LLC, Griz Olene-Anadarko E&P, Buckie Stanley-Anadarko E&P Onshore, Mitch Batty-Timberline. Invited and choosing not to attend: Barbara Callister-surface owner.

As proposed well will be drilled using a closed loop mud circulating system, no reserve pit is being requested for proposed project. Drilling medium will be contained in steel mud tanks, drill cuttings will be separated from drilling medium and captured in a steel trough or tank. All E&P materials, including drill cuttings, shall be contained in steel tanks or an approved pit containing a synthetic liner until it can be demonstrated such materials meet DOGM standards for abandonment. E&P materials, such as drilling cuttings, shall conform to the following DOGM standards prior to surface abandonment: Electrical Conductivity Access road should be maintained as a surfaced raised bed road with a 2% slope to facilitate storm water drainage from running surface. Rolling dip shall be constructed prior to entering well pad to prevent storm water from entering well pad.

Suitable soils shall be salvaged for interim reclamation. Top soil and rock should be kept separate in construction. Soils containing rock fragments should not be salvaged.

Bart Kettle
Onsite Evaluator

8/6/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Pits	All E&P materials, including drill cuttings, shall be contained in steel tanks or an approved pit.
Surface	Suitable top soil shall be salvaged.
Surface	Interim reclamation shall be completed within 12 months following well pad construction.
Surface	Fresh water shall be applied to access road and well pad to control dust.
Surface	Tanks containing fuel, chemicals or produced fluids shall be bermed and placed on a 30 mil string reinforced geomembrane.
Surface	The Division shall be consulted prior to reclamation of pits or disposal of E&P wastes.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/11/2013

API NO. ASSIGNED: 43037500640000

WELL NAME: LONG POINT STATE 3523-2-1H

OPERATOR: ANADARKO E&P ONSHORE, LLC (N3940)

PHONE NUMBER: 720 929-6086

CONTACT: Gina Becker

PROPOSED LOCATION: SESW 02 350S 230E

Permit Tech Review: ☒

SURFACE: 0760 FSL 2250 FWL

Engineering Review: ☒

BOTTOM: 0660 FNL 2250 FWL

Geology Review: ☒

COUNTY: SAN JUAN

LATITUDE: 37.75905

LONGITUDE: -109.36543

UTM SURF EASTINGS: 643984.00

NORTHINGS: 4180340.00

FIELD NAME: WILDCAT

LEASE TYPE: 3 - State

LEASE NUMBER: ML-48563

PROPOSED PRODUCING FORMATION(S): GOTHIC

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - 22013542☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: Municipal☒ RDCC Review: 2013-09-10 00:00:00.0☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-2.6

Effective Date:

Siting:

☐ R649-3-11. Directional DrillComments: Presite Completed
TEMP 640 ACRE SPACING:Stipulations: 5 - Statement of Basis - bhill
10 - Cement Ground Water - hmadonald
21 - RDCC - dmason
23 - Spacing - dmason
25 - Surface Casing - hmadonald
26 - Temporary Spacing - bhill
27 - Other - bhill

RECEIVED: September 10, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: LONG POINT STATE 3523-2-1H
API Well Number: 43037500640000
Lease Number: ML-48563
Surface Owner: FEE (PRIVATE)
Approval Date: 9/11/2013

Issued to:

ANADARKO E&P ONSHORE, LLC, P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2.6. The expected producing formation or pool is the GOTHIC Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

A temporary 640 acre spacing unit is hereby established in Section 2, Township 35 S, Range 23 E, SLBM for the drilling of this well (R649-3-2.6). No other horizontal wells may be drilled in this section unless approved by the Board of Oil, Gas and Mining.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

The 7" casing string cement shall be brought back to $\pm 1500'$ to isolate base of moderately saline ground water.

Surface casing shall be cemented to the surface.

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
 - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48563
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H
3. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217	PHONE NUMBER: 720 929-6300 Ext	9. API NUMBER: 43037500640000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT
		COUNTY: SAN JUAN
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/1/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry notice and associated APD are confidential status. Anadarko E&P Onshore, LLC respectfully requests authorization to deepen the associated pilot hole to 7,376' and change the hole and casing sizes on the surface, intermediate and production strings. Cement volumes have been adjusted accordingly. Please see the attached wellbore schematic reflecting these changes. All other aspects of this APD shall remain the same.

Approved by the
Utah Division of
Oil, Gas and Mining

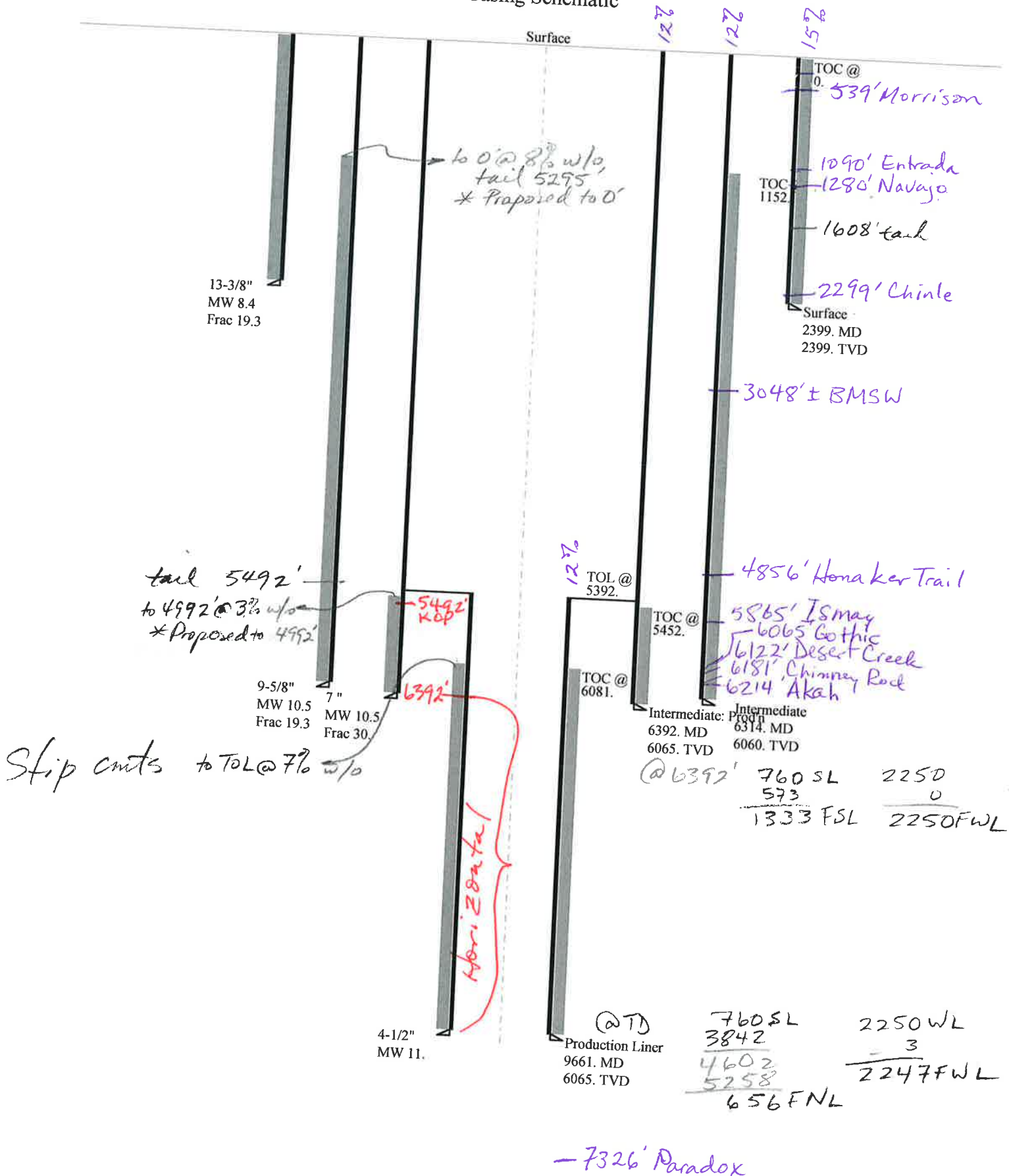
Date: October 02, 2013

By: *Derek Duff*

NAME (PLEASE PRINT) Laura Abrams	PHONE NUMBER 720 929-6356	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 9/17/2013

43037500640000 Long Point St 3523-2-1Hrev

Casing Schematic



Well name:	43037500640000 Long Point St 3523-2-1Hrev	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Surface	Project ID: 43-037-50064
Location:	SAN JUAN COUNTY	

Design parameters:**Collapse**

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 108 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 2,111 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,399 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,099 ft

Non-directional string.**Re subsequent strings:**

Next setting depth: 6,060 ft
Next mud weight: 10.500 ppg
Next setting BHP: 3,305 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,399 ft
Injection pressure: 2,399 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2399	13.375	61.00	J-55	Buttress	2399	2399	12.39	33915

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1047	1540	1.471	2399	3090	1.29	146.3	961.8	6.57 B

Prepared Helen Sadik-Macdonald
by: Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 2, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2399 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43037500640000 Long Point St 3523-2-1Hrev	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Intermediate	
Location:	SAN JUAN	COUNTY
Project ID:	43-037-50064	

Design parameters:**Collapse**

Mud weight: 10.500 ppg
Internal fluid density: 2.670 ppg

Burst

Max anticipated surface pressure: 2,131 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 3,465 psi

No backup mud specified.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 5,113 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 159 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 1,152 ft

Directional well information:

Kick-off point: 5492 ft
Departure at shoe: 495 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 82.2 °

Re subsequent strings:

Next setting depth: 6,065 ft
Next mud weight: 11.000 ppg
Next setting BHP: 3,466 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 6,065 ft
Injection pressure: 6,065 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6314	9.625	40.00	N-80	LT&C	6060	6314	8.75	80344
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2465	2779	1.127	3465	5750	1.66	242.4	737	3.04 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 2, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6060 ft, a mud weight of 10.5 ppg. An internal gradient of .139 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43037500640000 Long Point St 3523-2-1Hrev	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Intermediate: Prod'n	Project ID: 43-037-50064
Location:	SAN JUAN COUNTY	

Design parameters:**Collapse**

Mud weight: 10.500 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 159 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst

Max anticipated surface pressure: 2,131 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,466 psi

Burst:

Design factor 1.00

Cement top: 5,452 ft

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Directional well information:

Kick-off point 5492 ft
Departure at shoe: 573 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 90 °

Production liner info:

Liner setting depth: 6,065 ft
Pore pressure equivalent: 11.000 ppg
Assumed BHP at TD: 3,466 psi

Tension is based on air weight.
Neutral point: 5,101 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6392	7	29.00	HCP-110	DQX	6065	6392	6.059	421872
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3308	9200	2.781	3466	11220	3.24	175.9	929.4	5.28 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 2, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 6065 ft, a mud weight of 10.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	43037500640000 Long Point St 3523-2-1Hrev	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Production Liner	Project ID: 43-037-50064
Location:	SAN JUAN COUNTY	

Design parameters:**Collapse**

Mud weight: 11.000 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 159 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 6,081 ft

Burst

Max anticipated surface pressure: 2,131 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,466 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 6,032 ft

Liner top: 5,392 ft

Directional well information:

Kick-off point 5492 ft
Departure at shoe: 3842 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 90 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	4261	4.5	15.10	HCP-110	DQX	6065	9661	3.701	224981
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3466	15500	4.472	3466	14420	4.16	10	484.8	48.28 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: October 2, 2013
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 6065 ft, a mud weight of 11 ppg. The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

DRILLING AND GEOLOGICAL INFORMATION

[illegible]

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48563
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037500640000
PHONE NUMBER: 720 929-6300 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/10/2013	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. "NOTE THIS IS A CONFIDENTIAL WELL" Spud well 10/10/2013 @ 12:00. Drill 30" conductor hole to 40', run 20" X.250 wall conductor pipe, cement with 108 sacks ready mix. Anticipated surface spud date and surface casing cement 10/24/2013.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 16, 2013		
NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 10/14/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48563
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037500640000
PHONE NUMBER: 720 929-6300 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/5/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>CONFIDENTIAL. The operator would like approval to set a DV Tool. Please see the attached Drilling Program. Thank you.</p> </div> <div style="width: 35%; text-align: right;"> <p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: November 05, 2013</p> <p>By: <u><i>Derek Duff</i></u></p> </div> </div>		
NAME (PLEASE PRINT) Cara Mahler	PHONE NUMBER 720 929-6029	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 11/5/2013	

Long Point State 3523-2-1H

Paradox Basin

San Juan County, UT

H&P 298



AFE # 2084667 API # 4303750064

H&P 298

**ANADARKO E&P ONSHORE LLC
WELL PAD – LONG POINT STATE 3523-2N
WELL – LONG POINT STATE 3523-2-1H
LOCATED IN SECTION 2
T35S, R23E, S.L.B.&M.**

From the intersection of East Center Street and South Main Street in Monticello, Utah, proceed in a southerly, then southwesterly direction along South Main Street, which becomes US Highway 191, approximately 8.0 miles to the intersection of East Long Point Road to the south. Exit left and proceed in a southerly direction along East Long Point Road approximately 0.8 miles to the proposed access road to the east. Exit left and follow the road flags in a easterly direction approximately 275 feet to the proposed well pad location.

Total distance from Monticello, Utah to the proposed Long Point State 3523-2N well pad is approximately 8.8 miles in a southerly direction.

1 GENERAL INFORMATION

1.1 Well Objectives

- Zero Incidents, injuries, or equipment damage.
- Deliver a quality wellbore that initiates development of the Gothic Shale.
- Drill a Gothic Shale horizontal producer with an effective producing lateral.
- Drill the well with no incidents, accidents, or harm to the environment.

1.2 General Overview

Type of Well:	Gothic Shale Pilot and Horizontal
API #:	4303750064
AFE #	2084667
Datum:	7068-ft KB
GL Elevation:	7042-ft
GL to RKB:	26-ft

1.3 Location Overview

Surface Location:	Sec. 2 T35S R23E 2250' FWL / 760' FSL
Target Bottom Hole Location:	2250' FWL 660' FNL

1.4 General Procedure

- MIRU H&P 298, diverter head, and closed loop equipment.
- Drill 17.5" hole to +/- 2,400'. Run and cement 13 3/8" casing.
- NU 13 5/8" 10M BOP stack. Test BOPE.
- RIH and test 13 3/8" casing to 1,500 psi.
- Drill out and perform FIT to 12.5 ppg EMW.
- Drill 12.25" hole to +/-5,865' for core point, monitoring GR and cuttings to pick core point. TOO H and PU QuickCore coring tools.
- RIH and core upper intervals with target core lengths of 90' core barrels (360' of total core), 8.75" coring bit.
 - All coring to be done with QuickCore for wireline retrievability.
- PU 12.25" bit and ream out 8.75" core hole and drill 12.25" hole to 9 5/8" casing point of approx.. 6,314' MD.
- PU logging suite/suites detailed in the science prognosis and log per their details. All wireline runs and tool schematics to be included in separate science prognosis.
- Make a wiper run before picking up 9 5/8" casing.
- Run and cement 9 5/8" 40 ppf casing.
- RIH and test 9 5/8" casing to 4,000 psi BHTP (STP + .052 * MW * D).
- When drilling the shoe track, displace to OBM and drill through the Paradox Salts to our lower pilot hole TD of approximately 7,376' TVD (With a planned 115' rathole below lowest depth of investigation). TD to be called by the geologist.
- PU logging suite detailed in the science prognosis and log per their details.
- PU sidewall coring tools and trip in hole to attain sidewall cores per desired depths
- PU open ended DP and TIH to TD washing the 1,000' + to bottom. C&CM once on bottom. Spot approx., 1,000' CMT plug across the entire open hole below the 9 5/8" casing shoe.
- POOH and PU scraper assembly provided by Smith for the cased hole WS and mill assembly. Make scraper run.
- PU Smith Fastrack Cased Hole Whipstock, orient with gyro wl assembly, and set the anchor, mill the window.
- POOH and make another pass at cleaning up the window with the mill assembly if necessary.

- Drill the curve with GWD and make a wiper trip back to KOP. POOH laying down the 5.5" drill string once you have pulled up into casing and the hole is in stable condition.
- Run 7-in 29 ppf DQX casing with a CRT and torque sub to casing point and pump cement to 1,000' into the 9 5/8" shoe.
- Rotate out to find geologic bearings and continue drilling to target utilizing Azi GR and Res.
- Drill 6 -in lateral section to Total Measured Depth to 9,661' MD. Utilize the assembly to make a wiper trip to the shoe and back to TD with rotation and circulation.
- Run 4.5" 15.1 ppf HCP-110 DQX casing to TMD and cement to the liner top with 30% excess in the OH (If a caliper log has not been run).
- ND BOP, NU TBG HD, release rig and prepare to move to the Cedar Point.

1.5 Casing Program

Depths Run (ft):	0 – 2,399'	0 – 6,314'	0 – 6392'	Liner top – TD
OD (in):	13.375	9.625	7	4.5
Weight (lb/ft):	61	40	29	15.1
Grade:	J-55	N-80	HCP-110	HCP-110
Connections:	BTC	LTC	DQX	DQX
Pipe ID (in):	12.515	8.835	6.184	3.826
Pipe Drift ID (in):	12.359	8.679	6.059	3.701
Burst Pressure (psi):	3090	5750	11220	14420
Collapse (psi):	1540	3090	9200	15500
Body Yield (kips):	962	916	929	484
Joint Strength (kips):	1025	737	929	484
Joint Torsion (ft-lbs)	Do Not Rotate	Do Not Rotate	37,700	13,200
Coupling OD (in):	14.375	10.625	7.875	5.000
Opt Make up torque (ft-lb):	5950	7370	23,600	8,300

1.6 General Practices

1. Inspect location and roadway with Tool Pusher prior to MIRU.
2. All Information, Reports, and Operations will be treated as Confidential/Tight Hole.
3. Sales calls from vendors will be by appointment only
4. Have proper signage posted at location entrance.
5. State of Utah DOGM, Tribal, and Tri-County Health Dept guidelines and requirements will be strictly adhered to.

UDOGM must be contacted:

UDOGM:

801-538-5284 Carol Daniels
801-538-5338 Dan Jarvis Hackford
801-538-5281 Dustin Doucet

6. Notification Required:
7. Prior to spud of well – 24 hour notice
8. Prior to cementing or test surface casing – 24 hour notice
9. If cement not circulated to surface on surface casing – Immediate notice
10. Report all influxes encountered prior to running casing.
11. Prior to BOP test – 24 hour notice
12. Prior to cementing or testing production casing – 24 hour notice
13. Any emergency changes made to the approved drilling program – within 24 hours
14. Approval Required:
15. Prior to initiating P&A cementing operations – 24 hour notice
16. Any changes to the approved drilling plan
17. Notify the Drilling Superintendent and Drilling Engineer immediately in the event of:
18. Near Misses, Injuries, or Spills
19. Stuck pipe
20. Lost circulation
21. An oil, water, or gas kick
22. Inability to cement surface or intermediate casing.
23. Complete a thorough **operational inspection prior to accepting** the rig for Day work Operations. All equipment must be operating correctly before the rig is accepted for this project.
24. Complete a thorough **safety inspection prior to accepting** the rig for Day work Operations.
25. Post all Open Wells Drilling reports each morning by 0600 hours.
26. Setup Totco prior to spud for torque and drag alarms, pit volume totalizers, gas detector and flow line sensors.
27. Attain a drill pipe count from multiple sources before picking up first joint. Know exactly how much of each tubular is on location
28. NOV will adjust centrifuges prior to swap to OBM.
29. SLM all trips prior to running casing and commencing of directional drilling.
30. Clearly identify contents of all tanks with signage or a paint pen.
31. Verify drill pipe tally with 3 different sources. Do not RIH until all 3 counts match.
32. The wellhead utilized for this project is a Cameron 13 5/8" A section x 13 5/8" x 13 5/8" B section. All rated 5M.
33. MPD will be utilized as deemed necessary for breakout, gas influxes, and ROP optimization.

2 SURFACE HOLE SECTION (VERTICAL HOLE – 17.5" HOLE SECTION)

2.1 Objective

Successfully drill to surface casing point

2.2 Potential Hazards

- Loading the hole with cuttings
- Tight hole or bridging
- Bit balling
- Sloughing Shale

2.3 Drilling Procedure

1. Ensure all drilling tools and equipment are on location, inspected and in working condition.
2. Check and document the OD/ID and lengths of all down hole equipment, obtain schematics. Record drill string parameters into Open Wells, along with WOB, RPM, flow rate, pressures, and mud pump data.
3. 20" conductor has been pre-set on this well. We will NU a drilling nipple and surface diverter before spudding below the conductor.
4. Pick up Bit and BHA #1 as detailed below.
5. Function test motor and MWD.

6. Drill 17.5-in hole to +/- 2,400' to fit your casing tally for the SOW 13 5/8" 5M wellhead. We will also install the 13 5/8" 5M x 13 5/8" 5M B Section at this time. A DSA will be required above the B section to get back to 13 5/8" 10M for the BOP.
 - a. Take surveys every stand; more often if deviation becomes an issue
 - b. Drill hole using drilling parameters as outlined below, sliding as needed to keep angle below 2°
 - c. Drill to casing point with the mud specs, drilling parameters, and BHA as detailed below.
 - d. Use solids control equipment to control mud weight.
 - e. If necessary control drill in order to not overload solids processing equipment in the large surface hole.
7. At TD, circulate 2 surface x surface volumes at drilling flow rates and sweep well.
8. TOH, and lay down BHA #1, LD 6 1/4" DC's, and rack back everything else.

2.3.1 Drilling Parameters

Down to KOP	Min	Recommended	Max
WOB (k lbs)	15	45-50	60
Total RPM	80	210	300
Flow rate (gpm)	800	900 - 1000	1100

2.3.2 BHA

BHA #	Bit #	Hole Size (in)	Depth (MD) (ft)	Bit Type	TFA
1	1	17.5	2,400'	FX85R	3*24 (TFA = 1.325 sq-in)

Item Number	Description	Bottom Connection	Top Connection	MAX OD (in)	Max Gauge (in)	Tube OD (in)	ID (in)	Length (ft)	Cum Length (ft)
1	Bit		P 7 5/8" REG	17.500				1.50	1.50
2	NOV 6/7 5.0 Motor @ 1.5 Adj w/ 13.5 Stabilizer .16 rpm/gpm	B 7 5/8" REG	B 6 5/8" Reg	9 5/8"	16.0	8.000		30.00	31.50
3	Double Pin	P 6 5/8" REG	P 6 5/8" Reg	8.000		8.000	3.250	3.00	34.50
4	EM Tool Carrier	P 6 5/8" REG	B 6 5/8" Reg	8.000		8.000	3.250	20.00	54.50
5	EM Emitter Sub	P 6 5/8" REG	B 6 5/8" Reg	8.000		8.000	3.250	10.00	64.50
6	NMDC - Slick	P 6 5/8" REG	B 6 5/8" Reg	8.000		8.000	3.250	30.00	94.50
7	Shock Sub	P 6 5/8" REG	B 6 5/8" Reg	8.000		8.000	3.250	10.00	104.50
8	8" DC	P 6 5/8" REG	B 6 5/8" Reg	8.000		8.000	2.813	93.00	197.50
9	6 1/4" DC	P NC-46	B NC-46	6.250		5.500	4.500	651.00	848.50
10	Cross Over	P NC-46	B CSX 54	5.500		5.500	4.500	3.00	851.50
11	5.5" DP	P CSX 54	B CSX 54	5.500		5.500	4.778	To Surface	+/- 2,400'

Mud Type: Gyp Water/Sweeps

Interval Depth (feet) (MD/TVD)	Fluid Density (ppg.)	Viscosity (sec./1000 cc)	PV	YP	LGS (% Vol)	FL
0 – Surface TD	8.4-8.5	27 - 30	NA	NA	3 - 5	NC

2.4 Casing/Centralizers

- Threads are to be cleaned, inspected for damage, and threads doped on pipe racks.
- Check all casing running equipment prior to running. Ensure redundant equipment is on location if required.
- RU casing running tools and equipment and hold Pre-Job Safety Meeting. PMU and run casing string as listed below:
 - 13 3/8" Float Shoe
 - 1 joints of 13 3/8" casing
 - 13 3/8" PDC Drillable Float Collar
 - 13 3/8" 61 ppf J-55 BTC casing to +/- 900'
 - ACP (Annulus casing packer)/DV tool
 - 13 3/8" 61 ppf J-55 BTC casing to surface
 - When creating the casing tally be sure to space out properly for keeping a collar at least 10' below the cut off point.
 - Baker Lock all pins through the first four joints
 - Run bow spring centralizers on the first 3 joints and every fifth to 200' from surface (Total of 12 centralizers)
 - Fill pipe and circulate after running shoe track.
 - Fill pipe frequently (**On the fly**). Break circulation every 2000'
 - Note depth of any tight spots and abnormalities on Totco and Open Wells report.
- Break circulation and reciprocate pipe.

2.5 Cement

- Check delivery tickets to be certain correct cement and additives have been loaded and sent to the rig site. Prior to cementing operations representative samples of cement, additives, and mixing water shall be taken for testing of each programmed cement slurry in accordance with API as minimum specifications. Do Not Accept Bulk Cement Without Reviewing Cement Blend Tests.
- Calculate cement volume to cover from interval TD to surface.
- Review cement calculations with cement supervisor and Drilling Engineer to ensure volumes are correct. Report any significant discrepancies to Drilling Superintendent and Drilling Engineer.
- RU cementers and hold Pre-Job Safety Meeting.
 - RU cementing head. Visually inspect threads on cement head and witness loading of the plug.
 - Ensure all lines are properly secured and all overhead lines are properly tethered.
 - Test cementing lines to 4000 psi.
 - Have mud pump lined up on mud pits for displacement in case the cementer's pump truck goes down. Have steel lines on floor by the standpipe for use.
- Pump Cement Spacer:
 - Pump 20 Bbls of fresh water spacer ahead

6. Pump Cement Job:

• **Pump First stage Cement Job**

- Lead # 1 – 12.3 ppg with 2.03 cu-ft/sk (Target fill– 900-1100’)
- Lead #2 – 12.3 ppg with 2.38 cu-ft/sk (Target fill– 1100 – 1400’)
- Tail (1st stage) – 15.8 ppg with 1.15 cu-ft/sk (Target fill – 1400 – 2400’)
- Note – Tuf Fiber and Polyflake to be included as LCM in first stage

• Once plug bumps pressure up to shear value of ACP to set packer below the DV tool

• Drop the DV tool opening bomb and start the second stage

• **Pump Second stage Cement** – 12.3 ppg cement (2.38 cu-ft/sk) at 5-6 Bpm. (Target fill – 0 – 900’)

- Note – Tuf Fiber and Polyflake to be included as LCM in the second stage

• We will pump 30% excess on all slurries.

• Drop the closing bomb and displace with Fresh Water.

7. Displace cement with fresh water. Displacement rate 3-4 Bbbls per minute. Release pressure and check the closing of the DV tool. If the DV does not hold, shut head in and maintain pressure for 6 hours while WOC. In no event should more than 1.0 Bbbls of mud be allowed to flow back before well is shut in.

8. WOC a minimum of 6 hours.

9. Release the drilling nipple and clear the area to cut the 13 3/8” to install the 13 5/8” 5M SOW A section and 13 5/8” 5M x 13 5/8” 5M B section with a DSA above getting back to 13 5/8” 10M for the stack.

10. NU the wellhead, DSA, and BOPE.

11. Run and land test plug, leave 2” open on the A-section. Test the BOPE to 250 psi for the low-pressure test for 5 minutes. Pressure test the blinds and pipes to 5,000 psi for the high pressure test for 10 minutes. Test the annular to 50% of the working pressure for 10 minutes. Record this data on a chart. Keep a copy and send one to the Denver office and have the testing company provide copies to the state.

- Stabbing valve and IBOP to be provided by CorPro for CSX-54 drill pipe.

3 INTERMEDIATE HOLE SECTION (12.25” HOLE)

3.1 Objective

Successfully attain 365’ of core across the Gothic interval

Successfully drill and case the intermediate hole section

Landing in top salt #1 for a good future FIT test

3.2 Potential Hazards

- Loading the hole with cuttings
- Tight hole or bridging
- Bit balling
- Sloughing Shale

3.3 Drilling Procedure

1. Ensure all drilling tools and equipment are on location, inspected and in working condition.
2. Check and document the OD/ID and lengths of all down hole equipment, obtain schematics. Record drill string parameters into Open Wells, along with WOB, RPM, flow rate, pressures, and mud pump data.
3. Install Wear Bushing
4. Pick up Bit and BHA #2 as detailed below.
5. Function test motor and MWD.
6. RIH. When tripping in the hole, fill the drill string with fresh water.

7. Tag cement, test 13.375-in casing to 1500 psi for 15 minutes. If pressure loss during 5 minute test is greater than 10% of test pressure then re-test.
8. Drill 12.25-in hole to core point (+/- 5,865' TVD) with WBM
 - g. Take surveys every stand, and follow the directional plan
 - h. Drill hole using drilling parameters as outlined below
 - i. Drill to core point with mud properties detailed below. Be sure mud specs are in line with table below at core point and prior to POOH for coring assembly.
 - j. Use solids control equipment to control mud weight.
 - k. Control p rate at 50 FPH as you are 100' from 5,865' TVD. Be on standby for the word from the geologist on site and office for when to trip.
9. At TD, aggressively circulate 2 surface x surface volumes and sweep well.
10. TOH, and lay down BHA #2. Rack back all pipe.
 - Consider racking back BHA #2 based on hours drilled, bit condition, and overall efficiency of the previous drilling run.

3.3.1 Drilling Parameters

Down to KOP	Min	Recommended	Max
WOB (k lbs)	6	30-35	40
Total RPM	120	200	220
Flow rate (gpm)	300	800	900

3.3.2 BHA

BHA #	Bit #	Hole Size (in)	Depth (MD) (ft)	Bit Type	TFA
2	2	12.25	To Core Point	DSH616D	6*14 (TFA = 0.902 sq-in)

Item Number	Description	Bottom Connection	Top Connection	MAX OD (in)	Max Gauge (in)	Tube OD (in)	ID (in)	Length (ft)	Cum Length (ft)
1	Bit		B 6 5/8 Reg	12.250				1.50	1.50
2	WFT Hyperline 7/8 4.0 Motor @ 1.5 Adj. .16 rpg/gpm	B 6 5/8 Reg	B 6 5/8 Reg	8.000	8.500	8.000	3.250	30.00	31.50
3	Double Pin	P 6 5/8 Reg	P 6 5/8 Reg	8.000	8.500	8.000	3.250	3.00	34.50
4	EM Tool Carrier	P 6 5/8 Reg	B 6 5/8 Reg	8.000	8.500	8.000	3.250	20.00	54.50
5	EM Emitter Sub	P 6 5/8 Reg	B 6 5/8 Reg	8.000	8.500	8.000	3.250	15.00	69.50
6	NMDC - Slick	P 6 5/8 Reg	B 6 5/8 Reg	8.000	8.500	8.000	3.250	30.00	99.50
7	8" DC's	P 6 5/8 Reg	B 6 5/8 Reg	8.000	8.000	8.000	2.813	96.00	195.50
8	X/O Sub	P 6 5/8 Reg	B 5.5" FH	8.000	8.500	8.000	3.250	3.00	198.50
9	5.5 HWDP	P 5.5" FH	B 5.5" FH	5.500	5.500	5.500	4.500	960.00	1158.50
9	X/O Sub	P 5.5" FH	B CSX 54	5.500	5.500	5.500	4.500	3.00	1161.50
10	5.5 DP	P CSX 54	B CSX 54	5.500	5.500	5.500	4.500	To Surface	+/- 4,815'

Mud Type: Coring Section – 3% KCL						
Interval Depth (feet) (MD/TVD)	Fluid Density (ppg.)	Viscosity (sec./1000 cc)	PV	Filtrate – API (cm ³ /30 min.)	LGS (% Vol)	YP
13 3/8" shoe - 9 5/8" Casing Point	9.0 – 9.5	40-45	15-25	4-6	≤ 4-6	20-25

11. PU CorPro's 8.75" QuickCore BHA.
12. TIH following all of CorPro's recommendation's per their procedure and tool hand recommendation, if something seems out of place or could possibly cause issues, raise the question.
13. Once on bottom circulate the hole clean and get mud in parameters desired for coring. These details will be in a separate Science prognosis.
14. Core ahead with 90' core barrels. Retrieval with core barrels will be via wireline and subsequent barrels will be pumped down.
15. Once all up-hole coring intervals have been retrieved, we will pick up the previous 12.25" BHA, same bit will be dependent on wear properties and drill down to where we set deep enough for logs and 50' or greater into salt #1. Do not set beyond 100' into the top of salt #1.
16. Log the interval per the Science prognosis.
17. Make a wiper run to the surface shoe and back to TD. POOH to Run casing.

3.4 Casing/Centralizers

1. Threads are to be cleaned, inspected for damage, and threads doped on pipe racks.
2. Check all casing running equipment prior to running. Ensure redundant equipment is on location if required.
3. RU casing running tools and equipment and hold Pre-Job Safety Meeting. Pull wear bushing if the bushing was not previously retrieved. MU and run casing string as listed below:
 - l. 9 5/8" Float Shoe
 - m. 2 joints of 9 5/8" 40# N-80 LTC casing
 - n. 9 5/8" PDC drillable float collar
 - o. 9 5/8" 40# N-80 LTC casing to surface
 - When creating the casing tally be sure to space out properly for landing the mandrel hanger in coordination with desired setting depth.
 - Baker Lock all pins through the first four joints
 - Run bow spring centralizers on the first 3 joints and every fifth to surface (Total of 26 centralizers)
 - **Run a centralizer on the two joints below and above the surface shoe.**
 - Fill pipe and circulate after running shoe track.
 - Fill pipe frequently (**On the fly**). Break circulation every 2000'
 - Break circulation for a minimum of one bottoms-up at the surface shoe.
 - RIH to casing point and land Mandrel Hanger. **NOTE: Landing joint it Left hand make-up and therefore tongs will be needed to isolate break out RHT.**
 - Note depth of any tight spots and abnormalities on Totco and Open Wells report.
4. Break circulation and reciprocate pipe. C&CM one full surface to surface volume.

3.5 Cement

5. Check delivery tickets to be certain correct cement and additives have been loaded and sent to the rig site. Prior to cementing operations representative samples of cement, additives, and mixing water shall be taken for testing of each programmed cement slurry in accordance with API as minimum specifications. Do Not Accept Bulk Cement Without Reviewing Cement Blend Tests.
6. Calculate cement volume to cover from interval TD to surface. Discuss excess with drilling engineer before ordering cement.
7. Review cement calculations with cement supervisor and Drilling Engineer to ensure volumes are correct. Report any significant discrepancies to Drilling Superintendent and Drilling Engineer.
8. RU cementers and hold Pre-Job Safety Meeting.
 - RU cementing head. Visually inspect threads on cement head and witness loading of the plugs (a top and bottom plug will be used).
 - Ensure all lines are properly secured and all overhead lines are properly tethered.
 - Test cementing lines to working operating pressure.
 - Have mud pump lined up on mud pits for displacement in case the cementer's pump truck goes down. Have steel lines on floor by the standpipe for use.
9. Pump Cement Spacer:
 - Pump 20 bbls tuned spacer
10. Launch Bottom Plug.
11. Pump Cement Job:
 - Pump Cement – 12.6 ppg Lead (1.84 cf/sk) cement at 6 Bpm.
 - Pump Cement – 13.5 ppg Tail (1.34 cf/sk) cement at 6 Bpm.
 - Cement volumes to be determined by caliper log run after we TD. (Washout has shown to be minimal with KCL fluid)

12. Launch Top Plug. Washing lines on top of plug is okay as this will help us not spin on the plug during drill out.
13. Displace cement with water. Displacement rate 3-4 Bbls per minute. Bump plug with 1000 psi over final displacement pressure. Release pressure and check floats. If floats do not hold, shut head in and maintain pressure for 6 hours while WOC. In no event should more than 1.0 Bbls of mud be allowed to flow back before well is shut in.
14. If floats hold start rigging down cementers, perform rig maintenance, and release cementers.
15. Install packoff with attached bit guide.
16. Test seals to 5K# by installing test plug and closing rams of BOP on drill pipe.
17. Mobilize a pressure pumping truck for the FIT after drill out.

4 PILOT HOLE SECTION (8.5" HOLE TO PILOT HOLE TD)

4.1 Objective

Drill to TD pilot hole

Attain sidewall cores/logs throughout the Lower Paradox Shale

Plug back and initiate sidetrack

4.2 Potential Hazards

- Loading the hole with cuttings
- Tight hole or bridging
- Bit balling
- Mobile salts

4.3 Drilling Procedure

1. Ensure all drilling tools and equipment are on location, inspected and in working condition.
2. Check and document the OD/ID and lengths of all down hole equipment, obtain schematics. Record drill string parameters into Open Wells, along with WOB, RPM, flow rate, pressures, and mud pump data.
3. Pick up Bit and BHA #3 as detailed below.
4. Function test motor, MWD (Pulse tools & PWD), and verify GR .
5. RIH. When tripping in the hole, fill the drill string with fresh water.
6. Tag cement, test 9.625-in casing to 4000 psi for 15 minutes (This is BHP or STP + $.052 \cdot MW \cdot D$). If pressure loss during 5 minute test is greater than 10% of test pressure then re-test.
7. Drill out shoe track and perform and FIT to 14 ppge. Utilize PWD to examine actual pressure downhole when pressuring up at surface.

4.3.1 Drilling Parameters

Down to KOP	Min	Recommended	Max
WOB (k lbs)	4	20-25	30
Total RPM	168	230	270
Flow rate (gpm)	300	600	600

4.3.2 BHA

BHA #	Bit #	Hole Size (in)	Depth (MD) (ft)	Bit Type	TFA
3	3	8.5	to Pilot Hole TD	MDSi516	5*13 (TFA = 0.648 sq-in)

Item Number	Description	Bottom Connection	Top Connection	MAX OD (in)	Max Gauge (in)	Tube OD (in)	ID (in)	Length (ft)	Cum Length (ft)
1	Bit		P 4 1/2" REG	8.500				1.50	1.50
2	WFT Hyperline 7/8 5.0 Motor -Slick @ 1.5 Adj .28 rpg/gpm	B 4 1/2" REG	B 4 1/2" IF	6.750	6.750	6.750		30.00	31.50
3	UBHO Sub	P 4 1/2" IF	B 4 1/2" IF	6.750		6.750	2.500	3.00	34.50
4	NMDC - Slick / "LWD" Gamma & PWD	P 4 1/2" IF	B 4 1/2" IF	6.750		6.750	2.500	30.00	64.50
5	NMDC - Slick	P 4 1/2" IF	B 4 1/2" IF	6.750		6.750	2.500	30.00	94.50
6	X/O Sub	B 4 1/2" IF	P 5.5" FH	6.750	6.750	6.750	3.250	3.00	97.50
7	5.5 HWDP	P 5.5" FH	B 5.5" FH	5.500	5.500	5.500	3.625	960.00	1057.50
8	X/O Sub	P 5.5" FH	B CSX 54	5.500	5.500	5.500	4.500	3.00	1060.50
9	5.5 DP	P CSX 54	B CSX 54	5.500	5.500	5.500	4.778	To Surface	+/- 5,610'

Mud Type: Invert Oil Mud / MgMul								
Interval Depth (feet) (MD/TVD)	Fluid Density (ppg.)	PV	YP	Filtrate - API (cm ³ /30 min.)	CaCl %	ES	OWR	LGS %
9 5/8" CP - Pilot TD	12.5 - 13.0	12 - 22	10 - 15	6-4 cc	25	>500	80/20	3 - 5

8. Displace active fluid WBM system to OBM system.

- Hold a pre-displacement meeting with all involved
- Utilize high pump rate when displacing
- Pump a +/- 50 bbl diesel spacer ahead of the OBM
- Rotate and reciprocate during displacement
- Monitor returns and do NOT drill ahead until the entire in/out system has the desired properties below.

- We will attempt to catch as much diesel upon its return as possible.
9. Drill 8.5-in hole to pilot hole TD with OBM.
 - a. Take surveys every stand, following the directional plan.
 - b. Drill hole using drilling parameters as outlined above for BHA #3
 - c. Use solids control equipment to control mud weight.
 - d. Drill desired rat-hole as detailed in the science prognosis for the future logging suites (115').
 - e. We will utilize MPD to mimic mud weights as we drill ahead and weight up. The actual MW delivered to the rig will be dependent upon the FIT after we drill out.
 10. At TD, aggressively circulate 2 surface x surface volumes and sweep well.
 11. TOH, and lay down BHA #3. SLM out of the hole and rack back all pipe.
 12. RU/ Run logging suites as detailed per the science prognosis.
 13. Make a wiper run after all diagnostic logging runs.
 14. RU/Run sidewall cores as picked by the geology team after they have reviewed the logs.
 15. Attain the sidewall cores and hand off to CoreLab at surface.
 16. PU Open ended drill pipe and TIH washing the pilot hole TD. C&CM one full surface to surface volume before pumping a cement isolation plug over the 1,000' + of open hole with 13.5 Halliburton slurry. TOOH
 17. Make a clean out run/scrapper run with Smith's TMP cleanout assembly and bit to PBTD.
 - Whipstock setting depth to be revised after the target center line of the Gothic has been clearly defined and a new well plan will be drafted
 18. We will set the cased hole whipstock 50' above revised KOP.
 19. Run Smith Cased Hole Fastrack whipstock with tri-mill assembly attached.
 20. Land the bottom of the slide of the whipstock as close to 50' above revised KOP as possible. Orient the whipstock with gyrodata's gyro on wireline and set the whipstock.
 21. Shear the milling assembly and begin to mill the window.
 22. Verify 100% new formation returns and drill ahead to try and gain some separation from the old casing.
 - If the window isn't deemed smooth, run another mill run across the window.
 23. TOOH for curve assembly.

5 CURVE SECTION (BUILD SECTION)

5.1 Objective

- Drill the build section and set and cement casing in order to control problematic formations prior to drilling the lateral hole section.
- Drill build section with one assembly from KOP to intermediate casing point.

5.2 Potential Hazards

- Erratic Build rates
- Not making aggressive slides to kickoff
- Loading the hole with cuttings or building cuttings bed.
- Sloughing shales and/or wellbore instability
- Tight hole

5.3 Drilling Procedure

1. Review directional plan with the DD's and ensure a clear understanding of the plan.
2. Obtain copy of written connection procedure from DD and review with rig crew and DD.
3. PU Bit #4 and BHA #4 as detailed below. Surface test motor and GWD.
4. Drill build section from KOP to 7" casing landing point at +/- 90 degrees inclination:
 - a. PU a **2.38°** fixed bend housing motor.
 - b. Drill the build section with directional MWD/LWD package (LWD = Gamma Ray, MWD = GWD) See drilling parameters below.
 - c. Surveys will be reported every joint drilled.
 - i. An e-mail template has been created with a distribution list and all surveys will be uploaded into Totco via WITS.
 - d. Be certain geologist/geosteering personnel receives LWD and directional updates
 - e. Drill curve with maximum allowable flow rates unless otherwise required by WFT for adequate hole cleaning. Minimum acceptable flow rate is 500 gpm, although higher rates are recommended (550-600 GPM).
 - f. Penetration rate will be controlled as a function of the amount of torque, drag, slack off, cuttings volume, and size and shape of cuttings returning from the well.
 - g. Discuss cuttings size and volume hourly with shaker hand and mud logger, be aware of any changes in trends.
 - h. Refer to NOV recommendation for mud program. Post hourly mud checks on Totco (MW/OWR/ES both in and out).
 - i. Avoid reaming and circulating on bottom after a slide to prevent washing open-hole slide zone
 - j. Record torque, rotating string weight, PU and slack-off weights at each connection.
 - k. Once curve exceeds 30 degrees, additional circulating and rotating time will replace sweeps, pumping a minimum of two bottoms-up for a cleaning cycle. If the hole determines secondary methods of cleaning are needed weighted sweeps may be pumped at 30 foot intervals.
 - l. Interval TD will be called by geologist/geo steering personnel and expect to be at + 90 degrees at interval TD.
 - m. 8-1/2" TD drilled to fit casing tally plus 10 feet of rat hole.

After TD of the build section has been reached, circulate four surface-to-surface volumes at max flow rate and RPMs allowed by WFT while rotating and reciprocating the drillstring. Monitor shakers for quantity and quality of cuttings returning to surface.

- **Bring mud weight up to 10.0 ppg at curve TD while cleaning the hole before wiper trip. MPD can be utilized to mimic MW while bringing up actual weight to target a specific resultant density.**

5. Wiper trip – POOH w/o pumps or rotation to vertical hole section. If tight spots are encountered, RIH with two stands and circulate at maximum allowable pump rate and rpm for a minimum of one bottoms up. Then continue POOH w/o pumps or rotation. If tight spot has moved up hole assume it is cutting beds moving. RIH with two stands and circulate at maximum allowable pump rate and rpm for a minimum of 2 bottoms up. If tight spot has not moved up hole, then assume true hole problems and pump out of hole. **If tight hole conditions persist, consult with Drilling Superintendent and Drilling Engineer to discuss path of operations.** Once to vertical section of hole, slug pipe and POOH. LD directional tools.
6. Pull wear bushing.

5.3.1

5.3.2 Drilling Parameters

Curve Section	Min	Recommended	Max
WOB (k lbs)	10	Per DD	25
Total RPM	60	Per DD	300
Flow rate (gpm)	500	Per DD	600
PSI Differential	Per DD	Per DD	Per DD

5.3.3 BHA

BHA #	Bit #	Hole Size (in)	Depth (MD) (ft)	Bit Type	TFA
4	4	8.5	KOP to ICP	DP506	3*18 (TFA = .746 sq-in)

Item Number	Description	Bottom Connection	Top Connection	MAX OD (in)	Max Gauge (in)	Tube OD (in)	Tube ID (in)	Length (ft)	Cum Length (ft)
1	Bit		P 4 1/2" REG	8.500				1.50	1.50
2	WFT Hyperline 7/8.5.0 Motor-Slick @ 2.38 Fixed .28 rpg/gpm & PWD	B 4 1/2" REG	B 4 1/2" IF	6.750	6.750	6.750		30.00	31.50
3	UBHO Sub	P 4 1/2" IF	B 4 1/2" IF	6.750		6.750	2.500	3.00	34.50
4	NMDC-Slick	P 4 1/2" IF	B 4 1/2" IF	6.750		6.750	2.500	30.00	64.50
5	NMDC - Flex	P 4 1/2" IF	B 4 1/2" IF	6.750		6.750	2.500	30.00	94.50
6	X/O Sub	P 4 1/2" IF	B CSX 54	6.750		6.750	2.500	3.00	97.50
7	5.5" DP	P CSX 54	B CSX 54	5.500		5.500	4.778	960.00	1057.50
8	X/O Sub	P CSX 54	B 5.5" FH	5.500	5.500	5.500	4.500	3.00	1060.50
9	5.5 HWDP	P 5.5" FH	B 5.5" FH	5.500	5.500	5.500	3.625	960.00	2020.50
10	X/O Sub	P 5.5" FH	B CSX 54	5.500	5.500	5.500	4.500	3.00	2023.50
11	5.5 DP	P CSX 54	B CSX 54	5.500	5.500	5.500	4.778	To Surface	+/- 6,170'

Mud Type: Invert Oil Mud / MgMul

Interval Depth (feet) (MD/TVD)	Fluid Density (ppg.)	PV	YP	Filtrate - API (cm ³ /30 min.)	CaCl %	ES	OWR	LGS %
After 1 st core point - Pilot TD	9.0 - 10.0	9 - 15	8 - 15	6-4 cc	25	>500	80/20	3 - 5

5.4 Casing/Centralizers

1. Threads are to be cleaned, inspected for damage, and threads doped on pipe racks.
2. Check all casing running equipment prior to running. Ensure redundant equipment is on location if required.
3. Utilize a Pason Torque Sub between the top drive and CRT to eliminate casing crews, minimize floor traffic and make up the casing.
4. Hold Pre-Job Safety Meeting. Pull wear bushing if the bushing was not previously retrieved. MU and run casing string as listed below:
 - n. 7" Diamondback Reamer shoe w/ float valve
 - o. 2 joints of 7" 29# HCP-110 DQX casing
 - p. 7" PDC drillable float collar
 - q. 7" 29# HCP-110 DQX casing to surface
 - When creating the casing tally be sure to space out properly for landing the mandrel hanger in coordination with desired setting depth.
 - Ensure that the bottom of each collar on the first three joints is tack welded. Baker Lock all pins through the first four joints
 - Place a spiral rigid body centralizer on the first joint and then every other joint through the curve, then run one bow spring turbolizer (WFT) on every **fifth** joint above KOP to 200' below the surface shoe. **Run a centralizer on the two joints below and above the surface shoe.**
 - Fill pipe and circulate after running shoe track.
 - Fill pipe frequently (**On the fly**). Break circulation every 2000'
 - Break circulation for a minimum of one bottoms-up at KOP and reciprocate string.
 - Rotation of the casing is permissible while washing down. Do **not** rotate freely with pipe, rather wash to tight spot and slowly find orientation that allows you to move through the tight spot. If you cannot slowly rotate through the tight spot, a torque limit of 5,000 ft-lbs at surface will be permissible before a phone call to the engineer.
 - RIH to casing point and land Mandrel Hanger. **NOTE: Landing joint it Left hand make-up and therefore tongs will be needed to isolate break out RHT.**
 - Note depth of any tight spots and abnormalities on Totco and Open Wells report.
5. Break circulation and reciprocate pipe.
 - Circulate and condition mud a minimum of two surface to surface volumes while reciprocating pipe to obtain the mud properties outlined in the table below.

5.5 Cement

1. Check delivery tickets to be certain correct cement and additives have been loaded and sent to the rig site. Prior to cementing operations representative samples of cement, additives, and mixing water shall be taken for testing of each programmed cement slurry in accordance with API as minimum specifications. Do Not Accept Bulk Cement Without Reviewing Cement Blend Tests.
2. Calculate cement volume to cover from interval TD to 1,000' within the 9 5/8" shoe. Discuss excess with drilling engineer before ordering cement.
3. Review cement calculations with cement supervisor and Drilling Engineer to ensure volumes are correct. Report any significant discrepancies to Drilling Superintendent and Drilling Engineer.
4. RU cementers and hold Pre-Job Safety Meeting.
 - RU cementing head. Visually inspect threads on cement head and witness loading of the plugs (a top and bottom plug will be used).
 - Ensure all lines are properly secured and all overhead lines are properly tethered.
 - Test cementing lines to 5000 psi.

- Have mud pump lined up on mud pits for displacement in case the cementer's pump truck goes down. Have steel lines on floor by the standpipe for use.
- 5. Pump Cement Spacer:
 - Pump 20 Bbls of tuned spacer at 0.5 ppg over mud weight.
- 6. Launch Bottom Plug.
- 7. Pump Cement Job:
 - Pump Cement – 12.6 ppg Lead (1.84 cf/sk) cement at 6 Bpm.
 - Pump Cement – 13.5 ppg Tail (1.34 cf/sk) cement at 6 Bpm.
 - We will pump 30% excess on this cement job. Target is 1,000' into the 9 5/8" shoe. Lead around the curve.
- 8. Launch Top Plug. Washing lines on top of plug is okay as this will help us not spin on the plug during drill out.
- 9. Displace cement with OBM. Displacement rate 3-4 Bbls per minute. Bump plug with 1000 psi over final displacement pressure. Release pressure and check floats. If floats do not hold, shut head in and maintain pressure for 6 hours while WOC. In no event should more than 5.0 Bbls of mud be allowed to flow back before well is shut in.
- 10. WOC a minimum of 6 hours.
- 11. While WOC install 4" pipe rams, PU drill string, pressure test 7" casing to **4000 psi BHTP (STP + .052*MW*TVD)** and perform all other rig maintenance.
- 12. Install packoff with attached bit guide.
- 13. Test seals to 5K# by installing test plug and closing rams of BOP on drill pipe.
- 14. Begin stripping active mud tanks to target our drill out weight. Desired mud weight at drill out will 9.0 ppg.

6 PRODUCTION HOLE SECTION (LATERAL SECTION)

6.1 Objective

Successfully drill the lateral section to produce a useable wellbore for the Greater Natural Buttes Business Unit.

6.2 Potential Hazards

- Wellbore Pressure at surface
- Cuttings Beds
- Wellbore instability
- Lost circulation / Fluid Influx
- Differential sticking
- Tight hole
- Bit balling.
- Encountering Large Natural Fractures
- Inability to transfer weight to the bit due to relative TVD to lateral length

6.3 Drilling Procedure

1. Check all drilling tools and equipment are on location, inspected and in working condition.
2. Notify the state of necessary obligations.
3. Check the OD/ID and lengths of all down hole equipment...also use schematics.
4. Review directional plan with Directional Driller.

5. Obtain copy of written connection procedure from DD and review with rig crew and DD.
6. Conduct JSA with DD and rig crew prior to picking up assemblies.
7. Verify drill pipe tally with 3 different sources. Do not RIH until all 3 counts match.
8. PU BHA and Bit #5.
 - Once two stands are picked up pump through and make sure floats are operational.
 - Utilize stabbing guides if connection damage is deemed a possibility.
 - Run MWD Sensor as close to motor as possible.
 - Function test MWD (Pulse and PWD), and LWD (GR & Res). When tripping in the hole fill the drill string with clean filtered mud (no LCM).
9. Tag cement.
10. Drill lateral section from landing point to TD:
 - a. Drill Out Shoe Track plus one stand with **9.0** ppg mud.
 - b. Ensure all shoe track debris has been removed from the circulating system.
 - c. Target window is +/- 15' of target line before halting operations and determining proper plan of action.
 - d. Planned DLS upon target changes will be limited to 2°/100'.
 - e. Surveys will initially be reported every joint (+/- 30'). Once seeing consistent performance a decision will be made by the drilling engineer whether or not to extend survey lengths.
 - f. RPM target for hole cleaning purposes is 70 rpms and above.
 - i. Add drag and torque reduction lubricants as necessary to increase slide efficiency.
 - g. Target changes will be given from the geologist to the drilling engineer and passed on to the rig.
 - h. Ensure geologist/geo steering engineer receives LWD and directional updates.
 - i. Contact Drilling Supt./ Drilling Engineer as soon as we are +/- 10 foot of target line.
 - j. Minimize tortuosity by sliding only when necessary. Don't try and "draw" the line.
 - k. Record torque, rotating string weight, PU and slack-off weights at each connection. Use this information to determine hole cleaning requirements. If hookload values are rapidly diverging or torque is increasing a clean-up cycle is necessary. Circulate a minimum of 2 surface-to-surface volumes at maximum allowable flow rate and rpm while slowly reciprocating the drill string.
 - l. Use solids control equipment to control mud weight and LGS.
11. After TD of the lateral section has been reached:
 - Circulate a minimum of 4 surface-to-surface volumes at maximum allowable flow rate and rpm while slowly reciprocating the drill string. Monitor shakers for quantity and quality of cuttings to surface. If cuttings content is high, continue to circulate until well cleans up. If cutting size or shape change, contact Drilling Engineer as this may indicate a change in hole conditions. While circulating, POOH with 1 joint every 30 minutes to prevent localized washout.
 - Build MW to balance anticipated BHP based on drilling parameters + 0.5 ppg trip margin while C&C hole.
 - If flow is present, calculate new KWM based on observed pressures and circulate new KWM around and perform a flow check, repeat as necessary. (Utilize PWD measurements when possible)
12. POOH with lateral drilling assembly.
 - POOH without pumps or rotation to the intermediate shoe. If tight spots are encountered, always assume tight spots are cuttings bed related. RIH with two stands and circulate at maximum allowable pump rate and rpm for a minimum of 1 bottoms up, then continue to POOH w/o pumps and rotation. If tight spot has moved up hole, assume the cuttings bed is moving. RIH for two stands and circulate at maximum allowable pump rate and rpm for a minimum of 2 bottoms up. If tight spot has not moved up hole, pump it out of the hole. When pumping out of hole consideration should be given to artificially high cuttings buildup ahead of the BHA.
 - Record pick up and slack off weights where the liner hanger top will be landed.
 - LD directional tools

6.3.1 Bit

BHA #	Bit #	Hole Size (in)	Depth (MD) (ft)	Bit Type	Nozzle Sizes
5	5	6.0	ICP-TD	Smith MDi613	TFA = .589 (3*16's)

6.3.2 Drilling Parameters

Lateral Section	Min	Recommended	Max
WOB (k lbs)	5	Per DD	20
Total RPM (rotary)	140	Per DD	220
Flow rate (gpm)	150	Per DD	275
Differential (psi)	250	Per DD	400

****Need 70 RPM's at a minimum for hole cleaning purposes upon C&C.**

6.3.3 BHA – Conventional – BHA #5

Item Number	Description	Bottom Connection	Top Connection	MAX OD (in)	Max Gauge (in)	Tube OD (in)	ID (in)	Length (ft)	Cum Length (ft)
1	Bit		P 3 1/2" Reg	6.000				1.50	1.50
2	WFT Hyperline 7/8 3.8 Motor -Slick @ 1.5 Adj .51 rpg/gpm & PWD	P 3 1/2" IF	B 3 1/2" IF	4.750	4.750	4.750		30.00	31.50
3	HAGR / LWD	P 3 1/2" IF	B 3 1/2" IF	4.750		4.750	2.500	20.00	51.50
4	HEL / LWD	P 3 1/2" IF	B 3 1/2" IF	4.750		4.750	2.500	15.00	66.50
5	MFR / LWD	P 3 1/2" IF	B 3 1/2" IF	4.750		4.750	2.500	30.00	96.50
6	NMDC / Slick	P 3 1/2" IF	B 3 1/2" IF	4.750		4.750	2.500	30.00	126.50
7	X/O Sub	P 3 1/2" IF	B 4" XT-39	4.750		4.750	2.500	3.00	129.50
8	4" XT-39	P 4" XT-39	B 4" XT-39	4.000	4.000	4.000	3.340	4500.00	4629.50
9	4" HWDP XT-39	P 4" XT-39	B 4" XT-39	4.000	4.000	4.000	2.563	960.00	5589.50
10	4" XT-39	P 4" XT-39	B 4" XT-39	4.000	4.000	4.000	3.340	To Surface	+/- 9701'

6.3.4 Drilling Mud

Mud Type: Invert Oil Mud / MgMul								
Interval Depth (feet) (MD/TVD)	Fluid Density (ppg.)	6 rpm	YP	Filtrate – API (cm ³ /30 min.)	CaCl %	ES	OWR	LGS %
Lateral	9.0 – 9.5	9 - 12	8 - 15	6-4 cc	25	>500	80/20	3 - 5

7 COMPLETION WITH DRILLING RIG

7.1 Objective

Run the completion assembly to total depth.

7.2 Potential Hazards

- Sloughing shales and/or wellbore instability
 - Lost circulation
 - Differential sticking
 - Mechanical problems
 - Tight hole.
1. Threads are to be cleaned, inspected for damage, and threads doped on pipe racks.
 2. Check all casing running equipment prior to running. Ensure redundant equipment is on location if required.
 3. Utilize a Pason Torque Sub between the top drive and CRT to eliminate casing crews, minimize floor traffic and make up the casing.
 4. Hold Pre-Job Safety Meeting. Pull wear bushing if the bushing was not previously retrieved. MU and run casing string as listed below:
 - m. 4.5" Diamondback Reamer shoe w/ float valve
 - n. 2 joints of 4.5" 15.1# HCP-110 DQX casing
 - o. 4.5" float collar
 - p. 4.5" 15.1# HCP-110 DQX casing to LH
 - q. WFT Rotatable Liner Hanger
 - r. 4" XT-39 to surface
- Ensure that the bottom of each collar on the first three joints is tack welded. Baker Lock all pins through the first four joints
 - Run WFT spira-gliders on every other joint from TD to 1 joint within the 7" shoe.
 - Run 1 rigid spiral centralizer on every joint in the curve
 - Fill pipe and circulate after running shoe track.
 - Fill pipe frequently (**On the fly**). Break circulation every 2000'
 - Break circulation for a minimum of one bottoms-up at KOP and reciprocate string.
 - Rotation of the casing is permissible while washing down. Do **not** rotate freely with pipe, rather wash to tight spot and slowly find orientation that allows you to move through the tight spot. If you cannot slowly rotate through the tight spot, a torque limit of 5,000 ft-lbs at surface will be permissible before a phone call to the engineer.
 - RIH to casing point and land Mandrel Hanger. **NOTE: Landing joint it Left hand make-up and therefore tongs will be needed to isolate break out RHT.**
 - Note depth of any tight spots and abnormalities on Totco and Open Wells report.
5. Break circulation and reciprocate pipe.
 - Circulate and condition mud a minimum of two surface to surface volumes while reciprocating pipe to obtain the mud properties outlined in the table below.

7.3 Cement

1. Check delivery tickets to be certain correct cement and additives have been loaded and sent to the rig site. Prior to cementing operations representative samples of cement, additives, and mixing water shall be taken for testing of each programmed cement slurry in accordance with API as minimum specifications. Do Not Accept Bulk Cement Without Reviewing Cement Blend Tests.

2. Calculate cement volume to cover from TD to liner top + 30% excess in the open hole.
3. Review cement calculations with cement supervisor and Drilling Engineer to ensure volumes are correct. Report any significant discrepancies to Drilling Superintendent and Drilling Engineer.
4. RU cementers and hold Pre-Job Safety Meeting.
 - RU cementing head. Visually inspect threads on cement head and witness loading of the plugs (a top and bottom plug will be used).
 - Ensure all lines are properly secured and all overhead lines are properly tethered.
 - Test cementing lines per Halliburton.
 - Have mud pump lined up on mud pits for displacement in case the cementer's pump truck goes down. Have steel lines on floor by the standpipe for use.
5. Pump Cement Spacer:
 - Pump 25 Bbls of weighted spacer at 0.5 ppg over mud weight, but no less than 11 ppg.
6. Launch Bottom Plug.
7. Pump Cement Job:
 - Pump Cement – 13.5 ppg cement 1.36 cf/sk
 - Cement volumes to be determined by hole section TD, lag volumes, and estimated washout.
8. Launch Top Plug
9. Displace cement with water, followed by spacer, then OBM (Target is for water inside the 4.5" and mud on each side of the drill string, this way when you unstab from your liner you can circulate out the OBM). Displacement rate 3-4 Bbls per minute. Bump plug with 1000 psi over final displacement pressure. Release pressure and check floats. If floats do not hold, shut head in and maintain pressure for 6 hours while WOC. In no event should more than 5 Bbls of mud be allowed to flow back before well is shut in.
10. Install packoff per Cameron.

7.4 Rig Release

1. Check for flow.
2. Drain and wash stack.
3. Check for flow again.
4. Nipple down BOP and choke/kill manifold connections. Remove ring gasket and clean rig groove and sealing area. Install new ring gasket.
5. NU 7 1/16" 10M Tubing Head as per Cameron's procedure. Install tubing hanger and BPV.
6. Test void and flange to 5000 psi. Remove test pump and bleed off.
7. Jet and clean pits.
8. Release rig.
9. Ensure all Open wells cost have been entered and finalized for drilling.
10. Ensure absolutely no drilling equipment, drilling mud, trash, or other drilling materials are left on location.
11. Notify Drilling Superintendent when location is ready to be turned over to Completions.

8 APPENDICES

8.1 Well Control

Anadarko well Control Procedures specify Hard Shut-in. Maintain kill sheets every tour. If flow is manageable close the annular preventer to isolate the backside if needed. Use the Wait and Wait method, unless the Regional Operations Manager approves use of the Driller's Method.

8.2 Flow Checks****If the well is flowing, begin HARD shut-in procedures immediately****

Flow checks should be done prior to pulling off bottom for a trip, at the casing shoe, prior to pulling collars, due to unusual changes in drilling parameters, at the request of supervisors, mud logger or crew members noting kick indicators. If a well is flowing, hard shut-in procedures should begin immediately.

8.2.1 Flow Check While Drilling

- Alert the crew
- Stop the top drive
- Pick up off bottom and clear uppermost tool joint above rig floor
- Shut off pump
- Observe well for flow

8.2.2 Flow Check While Tripping

- Alert the crew
- Set slips
- Install full open safety valve in open position
- Observe well for flow
- Conduct a flow check prior to pulling the BHA through the BOP's

8.3 Hard Shut-In

In the event the well tries to flow due to an influx the well will be cttrolled by the "Hard Shut-in" method, this generally requires the following operations:

1. Close designated BOP
2. Notify company personnel
3. Read and record SIDP and SICP each minute

CONFIDENTIAL

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# H & P 298
Submitted By KENNY MORRIS Phone Number 435-828-0957
Well Name/Number LONG POINT STATE 3523-2-1H
Qtr/Qtr SE/SW Section 2 Township 35S Range 23E
Lease Serial Number ML-48563
API Number 43-037-50064

Casing – Time casing run starts, not cementing times.

- ☐ Production Casing
☐ Other

Date/Time 10/30/13 08:30 AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ Other

Date/Time _____ AM ☐ PM ☐

Rig Move

Location To: _____

Date/Time ____ _ AM ☐ PM ☐

Remarks TIME IS ESTIMATED

RECEIVED

OCT 26 2013

DIV. OF OIL, GAS & MINING



CONFIDENTIAL

SEGW S02 T35R 23E 43 03750064

HP 298 LONG POINT STATE 3523-2-1H

Trans: sage

Anadarko - H&P 298 <hp298@gesmail.net>

Sat, Nov 2, 2013 at 9:11 AM

To: caroldaniels@utah.gov, bartkettle@utah.gov

Cc: DAVE <HACKFORD@utah.gov>, Kenny Gathings <Kenny.Gathings@anadarko.com>, Danny Showers <Danny.Showers@anadarko.com>, John Strahan <john.strahan@anadarko.com>

HP 298 @ MONTICELLO UTAH

HAVING LOST CIRCULATION PROBLEMS ON THE SURFACE HOLE

LONG POINT STATE 3523-2-1H @1250', CURRENT DEPTH 1504'

WILL COMMENCE AIR HAMMER DRILLING OPS,

NEED STATE REQUIRMENTS ON CEMENT AND SURVEYS

Kenny Morris

H&P 298

435-828-0957

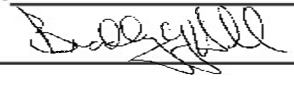
435-828-0956

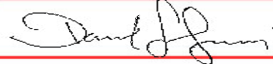
435-671-6111

RECEIVED

NOV 02 2013

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48563
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037500640000
PHONE NUMBER: 720 929-6300 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/9/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please consider this NOI as notification that Anadarko E&P Onshore, LLC will dispose of approximately 70 tons of drill mud cuttings at the ECDC Environmental located in Price, UT for the above captioned Long Point State 3523-2-1H well.		
Accepted by the Utah Division of Oil, Gas and Mining		Date: December 17, 2013 By: 
NAME (PLEASE PRINT) Laura Abrams		PHONE NUMBER 720 929-6356
SIGNATURE N/A		TITLE Regulatory Analyst II
DATE 12/9/2013		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48563			
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3. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H			
PHONE NUMBER: 720 929-6300 Ext		9. API NUMBER: 43037500640000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT			
		COUNTY: SAN JUAN			
		STATE: UTAH			
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TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/16/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.					
Anadarko E&P Onshore, LLC requests authorization to place approximately 50 tons of water-based cuttings on the northwest corner of the above captioned Long Point State 3523-2-1H well. The cuttings will be mixed and/or buried by the spoil pile and will be utilized for interim reclamation.					
Approved by the Utah Division of Oil, Gas and Mining Date: January 09, 2014 By: 					
NAME (PLEASE PRINT) Laura Abrams		PHONE NUMBER 720 929-6356			
SIGNATURE N/A		TITLE Regulatory Analyst II			
		DATE 12/16/2013			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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3. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037500640000
PHONE NUMBER: 720 929-6100 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: SAN JUAN		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/15/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
	OTHER: <input style="width: 100px;" type="text"/>		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry notice and associated Application for Permit to Drill are confidential status. Anadarko Onshore E&P, LLC intends to move back on the above captioned Long Point 3523-2-1H well location to conduct a well test and flowback operations on the pilot hole on or around March 15, 2014. Anadarko will evaluate the results of the well test to determine the next course of action for this wellbore. Please contact the undersigned if you have any questions and/or concerns.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: March 03, 2014

By: *Derek Duff*

NAME (PLEASE PRINT) Laura Abrams	PHONE NUMBER 720 929-6356	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 2/26/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. API NUMBER: 43037500640000
PHONE NUMBER: 720 929-6100 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
COUNTY: SAN JUAN		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/1/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Pilot hole drilled to 7,376'. Running tests.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 02, 2014		
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMBER 720 929 6582	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/1/2014	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-48563

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:
LONG POINT STATE 3523-2-1H9. API NUMBER:
430375006410. FIELD AND POOL, OR WILDCAT
WILDCAT11. QTR/QTR, SECTION, TOWNSHIP, RANGE,
MERIDIAN:
SESW 2 35S 23E S12. COUNTY
SAN JUAN 13. STATE
UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER PILOT HOLEb. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER2. NAME OF OPERATOR:
ANADARKO E&P ONSHORE, LLC

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217 PHONE NUMBER: (720) 929-6000

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SESW 760 FSL 2250 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: SESW 776 FNL 2208 FWL
AT TOTAL DEPTH: SESW 768 FNL 2194 FWL14. DATE SPURRED: 10/10/2013 15. DATE T.D. REACHED: 11/29/2013 16. DATE COMPLETED: 4/27/2014 ABANDONED ☐ READY TO PRODUCE ☐17. ELEVATIONS (DF, RKB, RT, GL):
7068 RKB

18. TOTAL DEPTH: MD 7,490 TVD 7,488 19. PLUG BACK T.D.: MD 7,290 TVD 7,288 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

RADIAL CBL/GR/CCL/TEMP-COMPENSATED NEUTRON,
LITHO-DENSITY/ARRAY INDUCTION, SP23. WAS WELL CORED? NO ☐ YES ☒ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☒ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
30"	20" A53B	90#	0	40		108			
17.5"	13.375 J-55	61#	0	2,408		1,430		0	
12.25"	9.625 N-80	40#	26	6,234		1,120		2000	
8.5"	7" P-110	26#	6,155	7,485		175			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) AKAH	6,355	6,731			6,355 6,731	0.4	78	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) AKAH	6,808	6,827			6,808 6,827	0.4	18	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
	THIS WELL WAS NOT FRAC'D

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☒ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

SHUT IN

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 4/27/2014											TEST DATE: 8/8/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 0		GAS – MCF: 0		WATER – BBL: 0		PROD. METHOD:	
CHOKE SIZE: 0		TBG. PRESS. 0		CSG. PRESS. 200		API GRAVITY		BTU – GAS		GAS/OIL RATIO		24 HR PRODUCTION RATES: →		OIL – BBL: 0		GAS – MCF: 0		WATER – BBL: 0		INTERVAL STATUS:				

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

NEVER PRODUCED - NO PRODUCTION EQUIPMENT IS IN THE HOLE AT THIS TIME

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				ENTRADA	1,090
				NAVAJO	1,280
				CHINLE	2,299
				HONAKER TRAIL	4,856
				ISMAY	5,865
				GOTHIC	6,065
				DESERT CREEK	6,122
				CHIMNEY ROCK	6,181
				AKAH	6,214
				PINKERTON	7,326

35. ADDITIONAL REMARKS (Include plugging procedure)

The well was permitted for a pilot hole before continuing with the horizontal lateral; this report is for the pilot hole. Core Samples were taken from 5860-6229; results of analysis will be submitted when available. The well was tested with no hydrocarbon results and production tubing was removed from the hole; the well will be further evaluated at a later date. Attached is the chronological drilling and completion history with the perforation reports and final survey.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ILA J. BEALETITLE STAFF REGULATORY SPECIALISTSIGNATURE DATE 8-28-2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

US ROCKIES REGION
Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/W/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/25/2013	6:00 - 20:00	14.00	MIRU	01	E	P	65	RIG DOWN & MOVE W/ 10 TRUCKS,2-FORKLIFTS
	20:00 - 0:00	4.00	MIRU	21	C	P	65	WAIT ON DAYLIGHT TO CONTINUE RIG MOVE
10/26/2013	0:00 - 6:30	6.50	MIRU	01	A	P	65	WAIT ON DAYLIGHT TO CONTINUE RIG MOVE. RIG CREW SHUT DOWN FOR THE NIGHT. 5 TRUCKS RAN THROUGH THE NIGHT MOVING SMALL LOADS
	6:30 - 18:00	11.50	MIRU	01	A	P	65	TRUCK RIG 36 MILES WITH RW JONES,10 TRUCKS 2- FORKLIFTS,2 PUSHERS,2- SWAMPERS,1- CRAIN 2- OILERS,6 FLAGGERS,7-EXTRA RIG HANDS 1 RIG PUSHER
	18:00 - 0:00	6.00	MIRU	21	C	P	65	SHUT DOWN FOR NIGHT
10/27/2013	0:00 - 6:00	6.00	MIRU	21	C	P	65	SHUT DOWN FOR NIGHT
	6:00 - 18:00	12.00	MIRU	01	B	P	65	FINISH TRUCKING AND SET IN RIG RAISE DERRICK @9:30AM ,RELEASE TRUCKS@12:00,RIG UP FLOOR
	18:00 - 19:30	1.50	PRSPD	01	B	P	65	WELD ON 20" CONDUCTOR RISER
	19:30 - 0:00	4.50	PRSPD	01	B	P	65	RIG UP FLARE LINE AND FLOW LINE, PRE-SPUD INSPECTION, LOAD RACKS WITH BHA
10/28/2013	0:00 - 3:00	3.00	PRSPD	01	B	P	65	LOAD RACKS AND STRAP, PICK UP SCORPION, CHANGE SAVER SUB
	3:00 - 3:30	0.50	PRSPD	07	A	P	65	RIG SERVICE
	3:30 - 8:00	4.50	PRSPD	08	B	Z	65	WAIT ON ELECTRICIAN,TROUBLESHOOT & REPAIR DRAWWORKS ENCODER
	8:00 - 15:00	7.00	PRSPD	06	A	P	65	SAFETY MEET W/ALL RIG UP SCORPION, MAKE UP BIT & MUD MTR, DIR TOOLS FOR BHA#1
	15:00 - 16:00	1.00	PRSPD	08	B	Z	65	WORK ON MUD PUMP #2, AND TIGHTEN LEAKS ON HARD LINE UNIONS
	16:00 - 19:30	3.50	DRLSUR	02	B	P	65	DIR DRILL F/65' TO 153' = 70 FT/HR AVG BIT WT 10-25K 160 STKS 720 GPM TORQ 3- 7K, PRESSURE ON/OFF BOTTOM 400/600 DIFF PRESSURE 150-400 RPM 30/86=116 TOTAL AT BIT GYP MW 8.4/28 NOV RUNNING CONVENTIONAL NO LOSSES OBSERVED
	19:30 - 20:00	0.50	DRLSUR	06	J	P	153	TOOH AND PICK UP EM MWD TOOL. INSTALL IN DRILL COLLAR
	20:00 - 22:00	2.00	DRLSUR	22	L	Z	153	KEY SLOT IN MWD COLLAR MOVING. REMOVE MWD TOOL, LAY DOWN COLLAR AND PICK UP NEW ONE, REINSTALL MWD TOOL
	22:00 - 0:00	2.00	DRLSUR	02	B	P	153	DIR DRILL F/153' TO 250' = 125 FT/HR AVG BIT WT 10-20K 200 STKS 900 GPM TORQ 5- 9K, PRESSURE ON/OFF BOTTOM 1000/500 DIFF PRESSURE 300-500 RPM 30/108=138 TOTAL AT BIT GYP MW 8.5/30 NOV RUNNING CONVENTIONAL NO LOSSES OBSERVED

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/29/2013	0:00 - 5:00	5.00	DRLSUR	02	B	P	250	DIR DRILL F/250' TO 526' =276 @55 FT/HR AVG BIT WT 8-25K 200 STKS 900 GPM TORQ 7- 11K, PRESSURE ON/OFF BOTTOM 1200/700 DIFF PRESSURE 350-500 RPM 30/108=138 TOTAL AT BIT GYP MW 8.5/30 NOV RUNNING CONVENTIONAL NO LOSSES OBSERVED
	5:00 - 12:00	7.00	DRLSUR	08	A	Z	526	REPLACE TURBO ON GEN 2,CIRCULATE WITH #2 90 STROKES,280 PSI,405 GPM,
	12:00 - 12:30	0.50	DRLSUR	07	A	P	526	WARM UP GEN #2,DAILY SERVICE
	12:30 - 15:30	3.00	DRLSUR	02	B	P	526	DIR DRILL F/526 TO 680 '=154 AVG 51 BIT WT 10-20K 180 STKS 811 GPM TORQ 7- 11K, PRESSURE ON/OFF BOTTOM 1350/950 DIFF PRESSURE 350-500 RPM 45/108=153 TOTAL AT BIT GYP MW 8.8/30 NOV DEWATERING 10/GAL/MIN NO LOSSES OBSERVED
	15:30 - 16:00	0.50	DRLSUR	05	B	P	680	INSTALL ROTATING HEAD
	16:00 - 0:00	8.00	DRLSUR	02	B	P	680	DIR DRILL F/680 TO 983 '= 303 AVG 38 BIT WT 10-25K 180 STKS 811 GPM TORQ 12- 15K, PRESSURE ON/OFF BOTTOM 1705/1120 DIFF PRESSURE 350-575 RPM 55/108=163 TOTAL AT BIT GYP MW 8.9/30 NOV DEWATERING 10/GAL/MIN NO LOSSES OBSERVED
10/30/2013	0:00 - 4:30	4.50	DRLSUR	02	B	P	983	DIR DRILL F/983' TO 1323' = 340' AVG 75 BIT WT 15-25K 180 STKS 811 GPM TORQ 13- 16K, PRESSURE ON/OFF BOTTOM 1800/1200 DIFF PRESSURE 400-575 RPM 55/108=163 TOTAL AT BIT GYP MW 9.0/32 NOV DEWATERING 10/GAL/MIN PARTIAL LOSSES OBSERVED FROM 1055' TO 1323' WHERE WE LOST FULL RETURNS
	4:30 - 18:00	13.50	DRLSUR	22	G	X	1323	LOST FULL RETURNS. MIX AND SPOT LCM 25% SWEEPS ON BOTTOM,PULL ABOVE REGAIN WASH BACK THRU, 3 TIMES ,STILL LOSING TOTAL LOST 1200 BBLs, BYPASS BUILD ACTIVE TO 20% LCM 32 VIS 8.6 MW

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 20:00	2.00	DRLSUR	02	B	P	1323	AS PER DANNY SHOWERS DIR DRILL F/1323' TO 1364' = 41' AVG 20 BIT WT 15-20K 140 STKS 620 GPM TORQ 5- 9K, PRESSURE ON/OFF BOTTOM 1000/800 DIFF PRESSURE 200-300 RPM 45/74=119 TOTAL AT BIT GYP MW 8.8/32 NOV OFFLINE 30/GAL/MIN HAD FULL RETURNS FOR THE FIRST 7' AND THEN LOST FULL RETURNS AGAIN AFTER THAT FOR THE REMAINING 34'. TOTAL LOSSES 500 BBLS
	20:00 - 0:00	4.00	DRLSUR	22	G	X	1364	BUILD VOLUME, MIX ACTIVE TO 20% LCM 32 VIS 8.6 MW. WHILE WAITING DRILLSTRING PLUGGED UP, TRY PUMPING, SHAKING PIPE, ROTATING TO FREE UP. STILL PLUGGED. START TOO H @ 22:00
10/31/2013	0:00 - 2:00	2.00	DRLSUR	22	G	X	1364	CONTINUE TO MIX LCM IN PITS, TOO H FOR PLUGGED DRILLSTRING
	2:00 - 16:00	14.00	DRLSUR	22	G	X	1364	CONTINUE TO MIX LCM IN PITS, CLEAN OUT BHA PLUGGED WITH LCM FROM THE MOTOR TO THE SHOCK SUB. LD MUD MTR AND PICK UP BIT SUB, RERUN PDC, TRIP IN HOLE TO 1290'
	16:00 - 17:00	1.00	DRLSUR	22	G	X	1364	HIT BRIDGE AT 1290'. WASH AND REAM TO BOTTOM
	17:00 - 18:30	1.50	DRLSUR	02	A	P	1364	DIR DRILL F/1364' TO 1416' =56 AVG 37 BIT WT 22-28K 80 STKS 360 GPM TORQ 4- 8K, PRESSURE ON/OFF BOTTOM 700/550 DIFF PRESSURE 90 RPM 70/0=70 TOTAL AT BIT GYP MW 8.7/38 20% NOV ON STANDBY 25/GAL/MIN FULL RETURNS / NO LOSSES
	18:30 - 0:00	5.50	DRLSUR	22	G	X	1416	LOST RETURNS, POOH TO 1150, PUMP SWEEPS 30%, MOVE PIPE, BUILD VOLUME, LOST 250 BBLS, WHILE SPOTTING SWEEP ON BOTTOM WE GOT FULL RETURNS BACK.
11/1/2013	0:00 - 2:00	2.00	DRLSUR	22	G	X	1416	LOST RETURNS, POOH TO 1150, PUMP SWEEPS 30%, MOVE PIPE, BUILD VOLUME, LOST 250 BBLS, WHILE SPOTTING SWEEP ON BOTTOM WE GOT NO RETURNS BACK.
	2:00 - 2:30	0.50	DRLSUR	22	G	X	1416	TIH, WASH AND REAM FROM 1360' TO 1416'. LOST COMPLETE RETURNS THE MINUTE WE TAGGED BOTTOM.

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	2:30 - 3:00	0.50	DRLSUR	02	A	P	1416	DIR DRILL F/1416' TO 1426' =10 AVG 20 BIT WT 25K 70STKS 315 GPM TORQ 6- 16K, PRESSURE ON/OFF BOTTOM 400 DIFF PRESSURE 90 RPM 60/0=60 TOTALAT BIT WATER MW 8.8/38 20% NOV ON STANDBY NO RETURNS / LOST 400 BBLS
	3:00 - 8:00	5.00	DRLSUR	22	G	X	1426	LOST RETURNS, POOH TO 1150,PUMP ,MOVE PIPE,BUILD VOLUME,8.6/36 20%
	8:00 - 9:30	1.50	DRLSUR	02	A	P	1426	DIR DRILL F/1426' TO 1466 =40 AVG 27 BIT WT 25K 65 STKS 293 GPM TORQ 6- 16K, PRESSURE ON/OFF BOTTOM 400 DIFF PRESSURE 90 RPM 60/0=60 TOTALAT BIT WATER MW 8.8/38 20% NOV ON STANDBY NO RETURNS / LOST 630 BBLS
	9:30 - 14:00	4.50	DRLSUR	22	G	X	1466	LOST RETURNS, POOH TO 1350,PUMP ,MOVE PIPE,BUILD VOLUME,8.6/36 20%
	14:00 - 15:00	1.00	DRLSUR	02	A	P	1466	DIR DRILL F/1466 TO 1504 =38 AVG 38 BIT WT 25K 65 STKS 293 GPM TORQ 6- 16K, PRESSURE ON/OFF BOTTOM 400 DIFF PRESSURE 90 RPM 60/0=60 TOTALAT BIT WATER MW 8.8/38 20% NOV ON STANDBY NO RETURNS / LOST 630 BBLS
	15:00 - 0:00	9.00	DRLSUR	21	E	X	1504	DECISION MADE TO USE AIR HAMMER GOING FORWARD. PUMP 60 BBL LCM SWEEP OUT OF PIPE. TOOH TO 1135'. SHAKE OUT LCM FROM ACTIVE SYSTEM, CLEAN ALL MUD LINES, POSSUM BELLY, SAND TRAP, AND 3 SIDED TANK.
11/2/2013	0:00 - 12:00	12.00	DRLSUR	21	E	X	1504	SHAKE OUT LCM FROM ACTIVE SYSTEM, CLEAN ALL MUD LINES, POSSUM BELLY, SAND TRAP, AND 3 SIDED TANK. RUN 7 STANDS FROM DERRICK IN MOUSEHOLE AND FLUSH OUT. BACK DRAG LOCATION. WAIT ON AIR HAMMER AND RELATED EQUIPMENT
	12:00 - 0:00	12.00	DRLSUR	22	G	X	1504	MATHENA AND WEATHERFORD EQUIPMENT ARRIVED ON LOCATION @ 12:00. WEATHERFORD HANDS ARRIVED AT 12:00 WITH THE EQUIPMENT AND THE MATHENA HANDS SHOWED UP AT 15:30. ARCHER HAMMER AND MEN SHOWED UP @ 15:00. RIG UP WEATHERFORD AND MATHENA EQUIPMENT.
11/3/2013	0:00 - 6:00	7.00	DRLSUR	22	G	X	1504	CONTINUE TO RIG UP MATHENAAND WEATHERFORD EQUIPMENT. BEGIN TOOH TO PICK UP HAMMER @ 04:00

US ROCKIES REGION
Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:00 - 12:00	6.00	DRLSUR	22	G	X	1504	FINISH TOOH TO LD BIT AND BIT SUB, RU SCORPION, PU HAMMER AND TIH TO 500'. INSTALL ROTATING HEAD
	12:00 - 18:00	6.00	DRLSUR	22	G	X	1504	RU WEATHERFORD AIR PACKAGE TO MUD LINE, RU MATHENA EQUIPMENT. PRESSURE TEST LINES TO 1700 PSI
	18:00 - 22:00	4.00	DRLSUR	22	G	X	1504	SAFETY MEETING TO COVER PRESSURE PROCEDURES AND EQUIPMENT OPERATION WITH CREWS ABOUT AIR EQUIPMENT AND HAMMER. TIH TO 1300' AND DISPLACE HOLE @ 900', 1100', AND 1300'
	22:00 - 0:00	2.00	DRLSUR	22	G	X	1504	BEGIN WASHING TO BOTTOM AND DISPLACING HOLE WITH AIR AND FOAM.
11/4/2013	0:00 - 0:30	0.50	DRLSUR	07	A	P	1504	RIG SERVICE
	0:30 - 2:30	2.00	DRLSUR	03	E	P	1504	WASH F/1450 TO 1504' SHUT DOWN @ 1476' DUE TO LCM BLINDING OFF SCREENS,GAINED 100 BBLS FLUID FROM UNLOADING HOLE,PUMP OUT TANK UNDER SLIDES
	2:30 - 3:00	0.50	DRLSUR	02	A	P	1504	DRILL F/ 1504' TO 1510', W/ 3 WFT COMPRESSORS ON LINE,3200 CFM
	3:00 - 3:30	0.50	DRLSUR	08	B	Z	1510	WEATHERFORD AIR COMPRESSORS SHUT DOWN WITH FUEL PROBLEM, RESTART EQUIPMENT
	3:30 - 8:30	5.00	DRLSUR	02	A	P	1510	HAMMER DRILL F/1510 TO 1649=139 AVG 28,4200 CFM 380 PSI,TORQ 600-800,WT ON 6-10,PRESSURED UP TO 430 PSI UNLOADING 200 BBLS WATER
	8:30 - 9:30	1.00	DRLSUR	05	C	S	1649	BYPASS AIR,EMPTY 3 SIDED CATCH TANK & BLACK TANK,MAKE CALLS
	9:30 - 14:00	4.50	DRLSUR	06	A	S	1649	TRIP OUT OF HOLE ,25K DRAG OUT TO 1320',L/D HAMMER & BIT SUB,P/U MUD MOTOR,PDC,AND DIR TOOLS TIH,
	14:00 - 21:00	7.00	DRLSUR	06	A	P	1649	PAJ MUD MOTOR,PDC,AND DIR TOOLS TIH,TO 1630',TAKING MISSED SURVEYS
	21:00 - 22:45	1.75	DRLSUR	02	B	P	1649	DRILL F/1649' TO 1656' W/2 COMPRESSORS - 2200CFM AND 70 STKS - 300GPM. HOLE UNLOADED AND FILLED 3 SIDED CATCH TANK, MATHENA TANK, AND FLOWED MUD OUT OF MATHENA FLARE STACK.
	22:45 - 0:00	1.25	DRLSUR	22	M	X	1656	CLEAN OUT 3 SIDED TANK, MATHENA TANK, AND SPILL FROM FLARE STACK
11/5/2013	0:00 - 0:30	0.50	DRLSUR	22	M	X	1656	CLEAN OUT 3 SIDED TANK, MATHENA TANK, AND SPILL FROM FLARE STACK
	0:30 - 3:00	2.50	DRLSUR	02	B	P	1656	DRILL F/1656' TO 1712' W/2 COMPRESSORS - 2200CFM AND 70 STKS - 300GPM. VAC TRUCK KEPT UP FOR SEVERAL LARGE RETURNS BUT COULD NOT KEEP UP ON LAST ONE. HOLE UNLOADED AND FILLED 3 SIDED CATCH TANK, MATHENA TANK, AND FLOWED MUD OUT OF MATHENA FLARE STACK.
	3:00 - 7:30	4.50	DRLSUR	22	M	X	1712	CLEAN OUT 3 SIDED TANK, MATHENA TANK, AND SPILL FROM FLARE STACK.
	7:30 - 12:00	4.50	DRLSUR	06	A	S	1712	PJSM,TRIP OUT ,L/D 12" MUD MTR,CONTINUE CLEAN UP W/ROUSTABOUTS,RNI VAC TRUCK

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:00 - 18:00	6.00	DRLSUR	06	A	P	1712	MAKE UP 17.5" BIT ON BIT SUB,DIRECTIONAL TOOLS ,INSTALL ROTATING RUBBER ,TIH TO 585
	18:00 - 19:30	1.50	DRLSUR	01	E	P	1712	RIG DOWN MATHENA 6" LINE TO SHAKER,SETTING OUT SHALE/GAS SEPERATOR & CATCH TANK,SET IN 400BBL CATCH TANK F/VERNAL,START WELDING UP FLOW LINE TO SAME,RIG UP YELLOW DOP
	19:30 - 22:30	3.00	DRLSUR	06	A	P	1712	BREAK CIRCULATION W/ WFT AIR PACK STAGING IN HOLE,1100 CFM@585',NO FLUID BACK TO SURFACE,RUN 3 STANDS DISPLACE W/ AIR @925' NO WATER,TIH TO 1118', NO WATER, TIH TO 1310', NO WATER, TIH TO 1500', NO WATER
	22:30 - 0:00	1.50	DRLSUR	21	E	X	1712	FABRICATE FLOWLINE TO OVERFLOW FRAC TANK
11/6/2013	0:00 - 2:30	2.50	DRLSUR	21	E	X	1712	AIR DRILL CONVENTIONAL WITH MWD
	2:30 - 3:30	1.00	DRLSUR	06	A	X	1712	TIH TO 1688', DISPLACE W/ AIR, 1 COMPRESSOR (1100CFM), NO WATER, GOOD AIR RETURNS.
	3:30 - 4:00	0.50	DRLSUR	05	G	X	1712	DISPLACE W/ AIR, 2 COMPRESSORS (2200CFM), 5 BBLs WATER RETURNS, GOOD AIR RETURNS
	4:00 - 6:00	2.00	DRLSUR	02	A	P	1712	DRILL W/ 2 COMPRESSORS, 100GPM. 20-50 FT/HR. GOOD RETURNS
	6:00 - 16:30	10.50	DRLSUR	02	A	P	1760	DRILL 17 1/2" HOLE FROM 1,760' TO 2,015' = 255' @ 24.3 FPH WOB = 10,000 - 20,000 TOP DRIVE RPM = 120 PUMPS = 65/ SPM = 292 GPM AIR COMP.'S ONLINE 2,200 CFM PUMP PRESS ON / OFF BTM = 500/480 TORQUE ON/OFF BTM = 4,000 ft./lbs. / 1,000 ft./lbs. PICK UP WT = 130K SLACK OFF WT = 129K ROTATING WT = 130K NO SLIDES NOV ON LINE SWACO OFF LINE
	16:30 - 17:00	0.50	DRLSUR	22	L	Z	2015	*** WEATHERFORD WASHED OUT AIR LINE
	17:00 - 20:00	3.00	DRLSUR	02	A	P	2015	DRILL 17 1/2" HOLE FROM 2,015' TO 2,165' = 150' @ 50 FPH WOB = 10,000 - 20,000 TOP DRIVE RPM = 120 PUMPS = 70/ SPM = 315 GPM AIR COMP.'S ONLINE 2,200 CFM PUMP PRESS ON / OFF BTM = 500/480 TORQUE ON/OFF BTM = 7,000 ft./lbs. / 2,000 ft./lbs. PICK UP WT = 127K SLACK OFF WT = 136K ROTATING WT = 130K NO SLIDES NOV ON LINE SWACO OFF LINE
	20:00 - 22:00	2.00	DRLSUR	21	D	Z	2165	***SHUT DOWN DRILLING / RECIPROCATED DRILL STRING / TO TRANSFER MUD AND CUTTINGS FROM SURGE TANK AND CATCH TANK TO AVOID SPILLS

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	22:00 - 23:30	1.50	DRLSUR	02	A	P	2165	DRILL 17 1/2" HOLE FROM 2,165' TO 2,245' = 80' @ 53.3 FPH WOB = 10,000 - 15,000 TOP DRIVE RPM = 120 PUMPS = 26/ SPM = 117 GPM AIR COMP.'S ONLINE 3,300 CFM PUMP PRESS ON / OFF BTM = 675/512 TORQUE ON/OFF BTM = 7,000 ft./lbs. / 2,000 ft./lbs. PICK UP WT = 127K SLACK OFF WT = 136K ROTATING WT = 130K NO SLIDES NOV ON LINE SWACO OFF LINE 21.86' HIGH & 5.10' LEFT OF TARGET LINE
	23:30 - 0:00	0.50	DRLSUR	07	A	P	2245	RIG SERVICE @ 2,245 / TRANSFER FLUID FROM SURGE TANK
11/7/2013	0:00 - 1:30	1.50	CSGSUR	22	L	Z	2245	SUCK OUT SURGE TANK AND CATCH TANK AND TRANSFER FLUID TO PITS
	1:30 - 3:30	2.00	CSGSUR	02	A	P	2245	DRILL 17 1/2" HOLE FROM 2,245' TO 2,298' = 53' @ 26.5 FPH WOB = 10,000 - 15,000 TOP DRIVE RPM = 120 PUMPS = 32/ SPM = 144 GPM AIR COMP.'S ONLINE 2,200 CFM PUMP PRESS ON / OFF BTM = 512/512 TORQUE ON/OFF BTM = 7,000 ft./lbs. / 2,000 ft./lbs. PICK UP WT = 132K SLACK OFF WT = 138K ROTATING WT = 132K NO SLIDES NOV ON LINE SWACO OFF LINE 24.23' HIGH AND 9.06' LEFT OF TARGET LINE
	3:30 - 4:00	0.50	CSGSUR	06	A	Z	2298	TOOH 2 STANDS AND RECIPROCATATE PIPE
	4:00 - 8:30	4.50	CSGSUR	22	K	Z	2166	REPAIR WASH OUT ON 90 GOING INTO H&P GAS BUSTER
	8:30 - 14:30	6.00	CSGSUR	02	A	P	2298	DRILL 17 1/2" HOLE FROM 2,298' TO 2,425' = 127' @ 21.1 FPH WOB = 10,000 - 25,000 TOP DRIVE RPM = 150 PUMPS = 50 SPM = 225 GPM AIR COMP.'S ONLINE 200-600 CFM PUMP PRESS ON / OFF BTM = 512/370 TORQUE ON/OFF BTM = 10,000 ft./lbs. / 2,000 ft./lbs. PICK UP WT = 150K SLACK OFF WT = 130K ROTATING WT = 136K NO SLIDES NOV ON LINE SWACO OFF LINE (LOST 1,650 BBLs) (DRILLING WITHOUT RETURNS KEEPING HOLE FROM UNLOADING AND MONITORING DRAG AND TORQUE)

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	14:30 - 16:00	1.50	CSGSUR	05	C	P	2425	CIRCULATE 2X SURFACE TO SURFACE
	16:00 - 21:30	5.50	CSGSUR	06	A	P	2425	FLOW CHECK / TOO H WITH #6 BHA / LAYING DOWN MWD TOOLING / PRIOR TO CSG RUN
	21:30 - 22:00	0.50	CSGSUR	01	E	P	0	R/D BAILS AND ELEVATORS / SAVER SUB
	22:00 - 22:30	0.50	CSGSUR	07	A	P	0	RIG SERVICE
	22:30 - 0:00	1.50	CSGSUR	12	A	P	0	PJSM FRANK'S / RIG UP CASING CREW
11/8/2013	0:00 - 0:30	0.50	CSGSUR	12	A	P	2425	CONTINUE TO RIG UP FRANKS CASING EQUIPMENT
	0:30 - 11:30	11.00	CSGSUR	12	C	P	0	RUN 13 3/8 CASING J-55 61# BTC TO 2,407' WASH LAST JT DOWN FROM 2385' TO 2,407' SHOE @ 2,407' FLOAT COLLAR @ 2364' PACKER @ 917' DV TOOL @ 893'
	11:30 - 12:30	1.00	CSGSUR	05	A	P	2407	PUMP 366 BBL TO CLEAR CASING WITH NO RETURNS / 60SPM @ 100 PSI / MEANWHILE PJSM WITH FRANKS & HALLIBURTON CEMENTERS
	12:30 - 16:00	3.50	CSGSUR	12	E	P	2407	RIG UP HALLIBURTON TEST SURFACE EQUIPMENT TO 3000 PSI / PUMP 1ST STAGE CEMENT JOB AS FOLLOWS HALLIBURTON PUMP 10 BBL WATER - 20 BBL MUD FLUSH - 10 BBL WATER / 81.3 BBL 12.3 PPG 2.03 yield LEAD CMT 225 SKS / 131.1 BBL 15.8 TAIL CMT 640 SKS 1.15Yield DROP PLUG DISPLACE WITH 359 BBL WATER BUMP PLUG / 250PSI LIFT BUMPED @ 540 PSI / FLOAT HELD 2 BBL H2O BACK TO INVENTORY SET PACKER WITH 2025 PSI BLEED BACK TO 1600 PRESSURE BACK TO 1920 PSI / CONFIRM PACKER SET 1 BBL INTO PACKER / PACKER SET / NO RETURNS THROUGH OUT JOB
	16:00 - 19:00	3.00	CSGSUR	05	A	P	2407	DROP OPENING BOMB / LET GRAVITATE / HALLIBURTON PRESURE UP TO 520 PSI / OPEN DV TOOL HALLIBURTON PUMP 5 BBL / SWITCH TO RIG PUMPS PUMP 204 BBL @ 60 SPM WITH 100 PSI - NO CEMENT BACK TO SURFACE / CALLED LEVEL / CIRCULATE HOLE WHILE WOC FOR 2 HRS
	19:00 - 21:00	2.00	CSGSUR	12	E	P	2407	PJSM / PUMP 2ND STAGE CEMENT JOB AS FOLLOWS HALLIBURTON PUMP 10 BBL WATER - 20 BBL MUD FLUSH - 10 BBL WATER / 184.4 BBL 12.3 PPG 2.38 YIELD TAIL CMT. / DROP PLUG DISPLACE WITH 135.9 BBL WATER / 350PSI LIFT / BUMP PLUG @ 1,400 TO CLOSE SLEEVE / FLOAT HELD 1.5 BBL H2O BACK TO INVENTORY / FULL RETURNS THROUGH OUT JOB WITH 10BBL GOOD CEMENT TO SURFACE
	21:00 - 21:30	0.50	CSGSUR	12	B	P	2407	RIG DOWN CEMENT HEAD AND IRON OFF FLOOR
	21:30 - 0:00	2.50	CSGSUR	13	A	P	2407	BLOW DOWN LINES / WAIT ON CEMENT
11/9/2013	0:00 - 3:00	3.00	CSGSUR	13	A	P	2425	W.O.C.
	3:00 - 5:30	2.50	CSGSUR	14	B	P	2425	CUT OFF 20" CONDUCTOR & 13 3/8 CSG
	5:30 - 6:30	1.00	DRLIN1	12	A	P	2425	FINISH RIG DOWN CASING EQUIPMENT
	6:30 - 12:00	5.50	DRLIN1	24	A	P	2425	WELD ON WELL HEAD 13 5/8 5 K & TEST SAME
	12:00 - 0:00	12.00	DRLIN1	14	A	P	2425	NIPPLE UP 13 5/8 BOP'S & EQUIPMENT
11/10/2013	0:00 - 2:30	2.50	DRLIN1	14	A	P	2407	NIPPLE UP SWACO EQUIPMENT (ORBIT VALVE)
	2:30 - 3:00	0.50	DRLIN1	07	A	P	2407	RIG SERVICE @ 2,407'

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	3:00 - 9:30	6.50	DRLIN1	15	A	P	2407	MU TEST ASSY & PRESSURE TEST H&P EQUIPMENT - BLIND RAMS, PIPE RAMS, FLOOR VALVES, MANUEL VALVE, KILL LINES & KILL VALVES, BOP WING VALVES, HCR VALVE, INNER & OUTER CHOKE VALVES, CHOKE MANIFOLD TO 250 PSI LOW FOR 5MINUTES & HIGH TEST TO 5000 PSI FOR 10 MINUTES, TEST ANNULAR 250 PSI LOW FOR 5 MINUTES & 2500 PSI FOR 10 MINUTE HIGH TEST / TEST CASING FOR 30 MINUTES @ 1500 PSI
	9:30 - 11:30	2.00	DRLIN1	15	A	P	2407	TEST MI SWACO PRESSURE CONTROL EQUIPMENT TO 1000 PSI
	11:30 - 15:00	3.50	PRPSPD	14	B	P	2407	PULL BEARING PACK / PULL TEST PLUG / INSTALL WEAR BUSHING / REINSTALL BEARING PACK / CHANGE SAVER SUB BACK TO CSX54
	15:00 - 18:30	3.50	PRPSPD	06	A	P	2407	TIH WITH 6.5" DRILL COLLARS TO 651' / TOO H LAYING DOWN
	18:30 - 19:00	0.50	PRPSPD	07	A	P	2407	RIG SERVICE (CHANGE ST-80 TONG DIES)
	19:00 - 20:30	1.50	PRPSPD	06	A	P	2407	FINISH LAYING DOWN 6.5" DRILL COLLARS
	20:30 - 0:00	3.50	PRPSPD	06	A	P	2407	P/U MUD MOTOR AND MU REED 12.25" BIT W/SCORPION / MU STABILIZER / SCRIBE MUD MOTOR / PICK UP DIRECTIONAL TOOLS
11/11/2013	0:00 - 3:30	3.50	PRPSPD	06	A	P	0	MAKE UP 12 1/4" DIRECTIONAL DRILLING ASSY WITH WEATHERFORD SCRIBE, ORIENTATE & SURFACE TEST SAME, TIH PICKING UP HWT DRILL PIPE TO 881'
	3:30 - 4:00	0.50	DRLIN1	02	B	P	881	DRILL CEMENT / DV TOOL & PACKER ASSEMBLY
	4:00 - 6:00	2.00	DRLIN1	06	A	P	893	TIH WITH DRILL ASSEMBLY / TAG CEMENT @ 2,334'
	6:00 - 9:00	3.00	DRLIN1	02	B	P	2334	DRILL CEMENT & SHOE TRACK FROM 2,334' TO 2,407' CLEAN OUT RAT HOLE TO 2,425'
	9:00 - 11:30	2.50	DRLIN1	02	B	P	2425	DRILL F/2,425' - T/2,507' (82' @ 32.8 FPH)
	11:30 - 12:30	1.00	DRLIN1	16	B	P	2407	PULL UP TO 2,407' FIT TEST TO 12.5PPG EQUIVALENT
	12:30 - 18:00	5.50	DRLIN1	02	B	P	2507	DRILL /SLIDE / SURVEY/ F/ 2,507' TO 2,816' 309' = 56.18 FPH WOB 20,000-30,000 TOP DRIVE RPM 35 - 45 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 1,142 / 1,080 TORQUE ON/OFF BTM 7,000/ 2,000 PICK UP WT 125,000 SLACK OFF WT 123,000 ROT WT 120,000 5K DRAG SLIDE 16' IN 330 MINS. 5% OF FOOTAGE DRILLED, 7%OF HRS DRILLED 29.53' NORTH AND 14.08' WEST PUMPING HVP EVERY STAND MUD WT 8.8 VIS 31 NOV-D WATER SWACO OFF LINE

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 0:00	6.00	DRLIN1	02	B	P	2816	DRILL /SLIDE / SURVEY/ F/ 2,816' TO 2,980' 164' = 27.3 FPH WOB 20,000-25,000 TOP DRIVE RPM 45 - 60 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 912/730 TORQUE ON/OFF BTM 20,000/ 2,000 PICK UP WT 135,000 SLACK OFF WT 120,000 ROT WT 130,000 5K DRAG SLIDE 16' IN 330 MINS. 5% OF FOOTAGE DRILLED, 7%OF HRS DRILLED 28.80' NORTH AND 14.66' WEST PUMPING HVP EVERY STAND MUD WT 8.8 VIS 35 NOV-D WATER SWACO OFF LINE ***CALLED KENNY GATHINGS @ 22:00 WITH ***CONCERNS OF TORQUE AND P-RATE
11/12/2013	0:00 - 1:00	1.00	DRLIN1	02	B	P	2980	DRILL / SURVEY 12 1/4" SECTION / F/ 2,980' TO 3,009' 29' = 29 FPH WOB 20,000-25,000 TOP DRIVE RPM 45 - 60 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 912/730 TORQUE ON/OFF BTM 20,000/ 2,000 PICK UP WT 135,000 SLACK OFF WT 120,000 ROT WT 130,000 5K DRAG PUMPING HVP EVERY STAND MUD WT 8.8 VIS 35 NOV-D WATER
	1:00 - 1:30	0.50	DRLIN1	07	A	P	3009	SERVICE RIG @ 3009'
	1:30 - 6:00	4.50	DRLIN1	02	B	P	3009	DRILL / SURVEY 12 1/4" SECTION / F/ 2,980' TO 3,145' 165' = 36.66 FPH WOB 20,000-25,000 TOP DRIVE RPM 45 - 60 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 922/730 TORQUE ON/OFF BTM 20,000/ 2,000 PICK UP WT 137,000 SLACK OFF WT 127,000 ROT WT 134,000 PUMPING HVP EVERY STAND MUD WT 8.8 VIS 35 NOV-D WATER

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:00 - 12:30	6.50	DRLIN1	02	B	P	3145	DRILL / SURVEY 12 1/4" SECTION / F/ 3,145' TO 3,391' 246' =37.85 FPH WOB 20,000-35,000 TOP DRIVE RPM 45 - 75 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 1160/820 TORQUE ON/OFF BTM 8,000/ 2,000 PICK UP WT 138,000 SLACK OFF WT 130,000 ROT WT 132,000 PUMPING HVP EVERY STAND MUD WT 8.9 VIS 36 NOV-D WATER
	12:30 - 13:30	1.00	DRLIN1	22	L	Z	3254	RELOG WELL FROM 3254' 3,316' (GAMMA)
	13:30 - 17:30	4.00	DRLIN1	02	B	P	3391	DRILL / SURVEY 12 1/4" SECTION F/ 3,391' TO 3,580' 189' = 47.25 FPH WOB 20,000 - 35,000 TOP DRIVE RPM 45 - 75 MUD MOTOR RPM 161 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 1,148 / 820 TORQUE ON/OFF BTM 7,000/ 2,000 PICK UP WT 140,000 SLACK OFF WT 136,000 ROT WT 134,000 SLIDE 12' IN 30 MINS. 6.35% OF FOOTAGE DRILLED, 11.11% OF HRS DRILLED 24.24' NORTH AND 19.98' WEST PUMPING HVP EVERY STAND MUD WT 8.7 VIS 37 NOV-D WATER
	17:30 - 18:00	0.50	DRLIN1	07	A	P	3580	RIG SERVICE @ 3,580'
	18:00 - 0:00	6.00	DRLIN1	02	B	P	3580	DRILL / SURVEY 12 1/4" SECTION F/ 3,580' TO 3,805' 225' = 37.5 FPH WOB 20,000 - 35,000 TOP DRIVE RPM 45 - 75 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 1,005 / 732 TORQUE ON/OFF BTM 7,000/ 3,000 PICK UP WT 150,000 SLACK OFF WT 146,000 ROT WT 142,000 22.7' NORTH AND 19.09' WEST PUMPING HVP EVERY STAND MUD WT 8.9 VIS 36 NOV-D WATER TIGHT HOLE @ 3,672 - 3,693' (REAMED)

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

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Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/13/2013	0:00 - 6:00	6.00	DRLIN1	02	B	P	3805	DRILL / SURVEY 12 1/4" SECTION F/3,805' TO 3,990' 185' = 30.83 FPH WOB 25,000 - 35,000 TOP DRIVE RPM 45 - 70 MUD MOTOR RPM 161 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 1,005 / 650 TORQUE ON/OFF BTM 7,000/ 3,000 NO SLIDES 20.74' NORTH 17.74' WEST OF LINE PICK UP WT 151,000 SLACK OFF WT 142,000 ROT WT 148,000 PUMPING HVP EVERY STAND MUD WT 8.8 VIS 34 NOV-D WATER
	6:00 - 18:00	12.00	DRLIN1	02	B	P	3990	DRILL / SURVEY 12 1/4" SECTION F/3,990' TO 4,348' 358' = 29.83 FPH WOB 30,000 - 35,000 TOP DRIVE RPM 45 - 70 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 990 / 650 TORQUE ON/OFF BTM 6,000/ 3,000 NO SLIDES 19.74' NORTH 18.68 WEST OF LINE PICK UP WT 159,000 SLACK OFF WT 145,000 ROT WT 149,000 PUMPING HVP EVERY STAND MUD WT 8.9 VIS 33 NOV-D WATER
	18:00 - 23:30	5.50	DRLIN1	02	B	P	4348	DRILL / SURVEY 12 1/4" SECTION F/4,348' TO 4,520' 172' = 31.27 FPH WOB 25,000 - 35,000 TOP DRIVE RPM 45 - 70 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 980 / 660 TORQUE ON/OFF BTM 8,000/ 2,000 PICK UP WT 163,000 SLACK OFF WT 153,000 ROT WT 159,000 NO SLIDES 18.98' NORTH 18.49' WEST OF LINE PUMPING HVP EVERY STAND MUD WT 8.8 VIS 34 NOV-D WATER
	23:30 - 0:00	0.50	DRLIN1	07	A	P	4520	RIG SERVICE @ 4,520'

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

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Rig Name No: H&P 298/298

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UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/14/2013	0:00 - 6:00	6.00	DRLIN1	02	B	P	4520	DRILL / SURVEY 12 1/4" SECTION F/4,520' TO 4,701' 181' = 30.16 FPH WOB 25,000 - 38,000 TOP DRIVE RPM 45 - 70 MUD MOTOR RPM 101 PUMPS 140 SPM = 630 GPM PUMP PRESSURE ON/OFF BTM 980 / 660 TORQUE ON/OFF BTM 8,000 / 2,000 PICK UP WT 163,000 SLACK OFF WT 153,000 ROT WT 159,000 NO SLIDES 18.09' NORTH AND 19.14' WEST OF LINE PUMPING HVP EVERY STAND MUD WT 8.9 VIS 34 NOV-D WATER
	6:00 - 13:00	7.00	DRLIN1	02	B	P	4701	DRILL / SURVEY 12 1/4" SECTION F/4,701' TO 4,884' 183' = 26.14 FPH WOB 25,000 - 38,000 TOP DRIVE RPM 45 - 80 MUD MOTOR RPM 101/115 PUMPS 140 / 160SPM = 630 / 720 GPM PUMP PRESSURE ON/OFF BTM 980 / 660 TORQUE ON/OFF BTM 8,000 / 2,000 PICK UP WT 182,000 SLACK OFF WT 154,000 ROT WT 160,000 NO SLIDES 17.44' NORTH AND 19.96' WEST PUMPING HVP EVERY STAND MUD WT 8.9 VIS 34 NOV-D WATER
	13:00 - 15:00	2.00	DRLIN1	06	A	P	4884	TOOH FROM 4,884' TO BIT / NO PROBLEMS OR TIGHT HOLE
	15:00 - 21:00	6.00	DRLIN1	06	A	P	0	CHANGE OUT BIT TO SECURITY FX66M 12.25" / TIH W/#8 BHA / WASH AND REAM F/3,600' - T/3,690' / 2' FILL
	21:00 - 21:30	0.50	DRLIN1	07	A	P	4884	RIG SERVICE @ 4,884'
	21:30 - 0:00	2.50	DRLIN1	02	B	P	4884	DRILL / SURVEY 12 1/4" SECTION F/4,884' TO 5,030' 146' = 58.4 FPH WOB 25,000 - 36,000 TOP DRIVE RPM 45 - 80 MUD MOTOR RPM 101 PUMPS 140SPM = 360 GPM PUMP PRESSURE ON/OFF BTM 1,400 / 740 TORQUE ON/OFF BTM 10,000 / 2,000 PICK UP WT 185,000 SLACK OFF WT 156,000 ROT WT 163,000 SLIDE 12' IN 40 MINS. 8.22% OF FOOTAGE DRILLED, 26.66% OF HRS DRILLED 17.17' NORTH AND 20.52' WEST PUMPING HVP EVERY STAND MUD WT 9.1 VIS 32 NOV-D WATER

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/15/2013	0:00 - 4:30	4.50	DRLIN1	02	B	P	5030	DRILL / SURVEY 12 1/4" SECTION F/5,030' TO 5,262' 232' = 51.5 FPH WOB 25,000 - 36,000 TOP DRIVE RPM 45 - 80 MUD MOTOR RPM 101 PUMPS 140SPM = 360 GPM PUMP PRESSURE ON/OFF BTM 1,000 / 740 TORQUE ON/OFF BTM 10,000 / 3,000 PICK UP WT 185,000 SLACK OFF WT 167,000 ROT WT 163,000 SLIDE 12' IN 35 MINS. 5.17% OF FOOTAGE DRILLED, 12.96% OF HRS DRILLED 14.82' NORTH AND 21.22' WEST PUMPING HVP EVERY STAND MUD WT 9.0 VIS 32 NOV-D WATER
	4:30 - 5:00	0.50	DRLIN1	08	B	Z	5262	CHANGE OUT O-RING ON MUD LINE *** MUD LINE ***
	5:00 - 8:00	3.00	DRLIN1	02	B	P	5262	DRILL / SURVEY 12 1/4" SECTION F/5,262' TO 5,410' 148' = 49.3 FPH WOB 25,000 - 36,000 TOP DRIVE RPM 45 - 80 MUD MOTOR RPM 101 PUMPS 140SPM = 360 GPM PUMP PRESSURE ON/OFF BTM 1,051 / 675 TORQUE ON/OFF BTM 8,000 / 3,000 PICK UP WT 201,000 SLACK OFF WT 171,000 ROT WT 183,000 NO SLIDES 13.42' NORTH AND 21.16' WEST PUMPING HVP EVERY STAND MUD WT 9.2 VIS 29 NOV-D WATER
	8:00 - 8:30	0.50	DRLIN1	07	A	P	5410	SERVICE RIG @ 5,410'
	8:30 - 11:30	3.00	DRLIN1	02	B	P	5410	DRILL / SURVEY 12 1/4" SECTION F/5,410' TO 5,563' 153' = 51 FPH WOB 25,000 - 36,000 TOP DRIVE RPM 45 - 80 MUD MOTOR RPM 101 PUMPS 140SPM = 360 GPM PUMP PRESSURE ON/OFF BTM 1,258 / 841 TORQUE ON/OFF BTM 8,000 / 3,000 PICK UP WT 193,000 SLACK OFF WT 173,000 ROT WT 184,000 NO SLIDES 11.9' NORTH AND 21.75' WEST PUMPING HVP EVERY STAND MUD WT 9.0 VIS 28 NOV-D WATER
	11:30 - 12:30	1.00	DRLIN1	08	B	Z	5563	WELD HAMMER UNION SOLID ON MUD LINE *** MUD LINE ***

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:30 - 20:00	7.50	DRLIN1	02	B	P	5563	DRILL / SURVEY 12 1/4" SECTION F/5,563' TO 5,860' 297' = 51 FPH WOB 25,000 - 36,000 TOP DRIVE RPM 45 - 80 MUD MOTOR RPM 101 PUMPS 140SPM = 360 GPM PUMP PRESSURE ON/OFF BTM 1,258 / 841 TORQUE ON/OFF BTM 8,000 / 3,000 PICK UP WT 193,000 SLACK OFF WT 173,000 ROT WT 184,000 NO SLIDES 9.93' NORTH AND 22.98' WEST PUMPING HVP EVERY STAND MUD WT 9.0 VIS 28 NOV-D WATER
	20:00 - 22:00	2.00	DRLIN1	05	G	P	5860	CBU AS PER GEOLOGISTS - DISPLACED WELL BORE W/830 BBLS - 8.7 PPG - 64 VIS CORE FLUID / FLOW CHECK
	22:00 - 0:00	2.00	DRLIN1	06	A	P	5860	TOOH WITH #8 BHA F/5,860' - T/3,000' 5.5" DP
11/16/2013	0:00 - 4:00	4.00	DRLIN1	06	A	P	3000	TOOH FROM 3000' TO BIT WITH NO PROBLEMS LD BHA
	4:00 - 8:00	4.00	DRLIN1	04	A	P	0	PJSM PICK UP & MAKE UP 90' CORE BBLS WITH COR PRO & BHA
	8:00 - 11:30	3.50	DRLIN1	04	A	P	355	TIH WITH 90'COR BBL ON 5 1/2" DRILL PIPE TO 5850' WITH NO PROBLEMS WASH TO BTM @ 5860' DRILL 1'
	11:30 - 13:00	1.50	DRLIN1	04	A	P	5860	CIRCULATE HOLE CLEAN @ 5,861'
	13:00 - 17:00	4.00	DRLIN1	04	A	P	5860	PSJM RACK 1 STAND BACK , RIG UP WIRE LINE EQUIPMENT & RETRIEVE DRILL ROD, RUN 1 STAND BACK IN HOLEMAKE UP CIRCUALTE STRING CLEAN PICK UP INNER BBLS & PUMP DOWN
	17:00 - 0:00	7.00	DRLIN2	04	A	P	5860	CORE # 1 F/ 5,860' TO 5,917' FOOTAGE CORE - 90' @ 8.1 FPH WOB 8,000 LBS TOP DRIVE RPM 50 PUMP PRESSURE ON/OFF BTM 740 / 596 TORQUE ON/OFF BTM 3,000 / 1,000 PICK UP WT 158,000 SLACK OFF WT 153,000 ROT WT 156,000 - 45K DRAG NO FLUIDS LOST MUD WT 9.2 VIS 42 NOV-D OFF LINE SWACO OFF LINE SPR / MUD PUMP # 2

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/17/2013	0:00 - 3:30	3.50	DRLIN2	04	A	P	5917	CORE # 1 F/ 5,917' TO 5,953' FOOTAGE CORE 36' @ 10.2 FPH WOB 5,000 - 9,000 LBS TOP DRIVE RPM 50 PUMPS 62SPM = 279 GPM PUMP PRESSURE ON/OFF BTM 740 / 596 TORQUE ON/OFF BTM 3,000 / 1,000 PICK UP WT 158,000 SLACK OFF WT 153,000 ROT WT 156,000 - 45K DRAG 27 BBLS FLUIDS LOST MUD WT 9.2 VIS 42 NOV-D OFF LINE SWACO OFF LINE SPR / MUD PUMP # 2
	3:30 - 5:30	2.00	DRLIN2	05	C	P	5953	CIRCULATE BOTTOMS UP / PJSM WITH KODIAK WIRELINE
	5:30 - 10:00	4.50	DRLIN2	04	A	P	5953	PJSM W/ALL PERTINENT PERSONNEL FOR UP COMING INNER CORE BARREL RETRIEVAL / PICK UP T/200,000 LBS [25,000] LBS OVERPULL W/RIG / RIG UP CORPRO WIRELINE UNIT / RIH W/WIRELINE RETRIEVING TOOL / ENGAGED INNER CORE BARREL / TOH W/INNER CORE BARREL F/5,953' T/2,962' W/2,000 LBS WIRELINE WEIGHT @ 50 FPH / STOPPED 15 MINS TO ALLOW FOR GAS EXPANSION / TOH F/2,962' T/618' W/2,000 LBS WIRELINE WEIGHT @ 25 FPM / STOPPED 30 MINS TO ALLOW FOR GAS EXPANSION / TOH F/618' T/SURFACE W/2,000 LBS WIRELINE WEIGHT @ 16.6 FPM / LAY DOWN [4.20" OD x 3.625" ID] INNER CORE BARREL / MONITORED WELL WHILE C/OUT INNER CORE BARRELS / RECOVERED [93.3'] OF CORES
	10:00 - 11:00	1.00	DRLIN2	04	A	P	0	PJSM W/ALL PERTINENT PERSONNEL ON UP COMING LAY DOWN CORE RUN # 1 CORE BARREL / LAY DOWN CORE BARREL RUN # 1 / CK FLOW - NO FLOW
	11:00 - 11:30	0.50	DRLIN2	05	A	P	0	PICK UP STAND DP / WASHED & REAMED T/5,953' / CCH
	11:30 - 12:30	1.00	DRLIN2	05	A	P	5953	PICK UP 90' FLUTED INNER CORE BARREL [4.20" OD x 3.625" ID] RUN #2 / DROPPED & PUMPED DOWN INNER CORE BARRELS @ 32 SPM / 20 RPM

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:30 - 20:00	7.50	DRLIN2	04	A	P	5953	CORE # 2 F/ 5,953' TO 6045' FOOTAGE CORE 92' @ 12.2 FPH WOB 5,000 - 9,000 LBS TOP DRIVE RPM 50 PUMPS 62SPM = 279 GPM PUMP PRESSURE ON/OFF BTM 700 / 685 TORQUE ON/OFF BTM 8,000 PICK UP WT 158,000 SLACK OFF WT 153,000 ROT WT 156,000 - 2K DRAG NO FLUID LOST MUD WT 9.2 VIS 41 NOV-D OFF LINE SWACO OFF LINE SPR / MUD PUMP # 2
	20:00 - 22:00	2.00	DRLIN2	05	C	P	6045	CIRCULATE BOTTOMS UP / PJSM WITH KODIAK WIRELINE / INCREASE MW TO 9.6#
	22:00 - 0:00	2.00	DRLIN2	04	A	P	6045	PJSM W/ALL PERTINENT PERSONNEL FOR UP COMING INNER CORE BARREL RETRIEVAL / RUN IN HOLE ROPE SOCKET WOULDN'T LATCH OVER CORE BARREL / PULL OUT TO INSTALL NEW OVER SHOT
11/18/2013	0:00 - 1:00	1.00	DRLIN1	04	A	X	5955	CONTINUE TO ATTEMPT TO LATCH ON TO WIRE LINE RETRIEVEABLE INNER CORE BBLs WITH OUT SUCESS POOH WITH OVER SHOT AND RIG DOWN WIRE LINE TOOLS
	1:00 - 2:00	1.00	DRLIN1	04	A	X	5955	ATTEMPT TO BREAK CIRC - TOP SUB PLUGGED OFF - UNABLE TO CIRCULATE
	2:00 - 4:00	2.00	DRLIN1	06	B	P	5955	TOOH WITH CORE RUN # 2 TO 2,962' FOLLOWING TRIP SPEED FOR PULLING CORE BBLs
	4:00 - 5:00	1.00	DRLIN1	08	C	Z	2962	REPLACE FILL UP LINE ON BELL NIPPLE
	5:00 - 12:30	7.50	DRLIN1	06	B	P	2962	CONTINUE TO TOOH WITH CORE RUN # 2 FOLLOWING TRIP SEED GUIDE LINES FOR PULLING CORES FROM 2,962' TO BIT - RECOVER 92.05 FEET OF CORE 100% RECOVERY
	12:30 - 14:30	2.00	DRLIN1	06	B	P	0	TIH WITH CORE BBL BHA TO 1552 & CIRCULATE THROUGH SAME
	14:30 - 15:00	0.50	DRLIN1	07	A	P	1552	SERVICE RIG @ 1,552'
	15:00 - 18:00	3.00	DRLIN1	06	B	P	1552	CONTINUE TO TRIP IN HOLE WITH CORE BBL # 3 FROM 1,552' TO 5,860'
	18:00 - 19:30	1.50	DRLIN1	05	E	P	5860	CIRCULATE BOTTOMS UP @ 5,860' / CHECK SAMPLES
	19:30 - 20:00	0.50	DRLIN1	03	E	P	5860	WASH AND REAM F/5,860' - T/6,045'
	20:00 - 22:00	2.00	DRLIN1	05	E	P	6045	CIRCULATE BOTTOMS UP WITH HIGH VIS SWEEP @ 6,045' / CHECK SAMPLES
	22:00 - 0:00	2.00	DRLIN1	04	A	P	6045	STAND BACK 2 STANDS / RIG UP WIRELINE / RETRIEVE DRILL ROD AND LAY DOWN
11/19/2013	0:00 - 0:30	0.50	DRLIN1	04	A	P	6045	LAY DOWN DRILL ROD
	0:30 - 1:00	0.50	DRLIN1	04	A	P	6045	CIRCULATE DRILL STRING VOLUME (ENSURE DRILL STRING IS CLEAN)
	1:00 - 2:00	1.00	DRLIN1	04	A	P	6045	PICK UP INNER CORE BBL # 3 DROP, PUMP DOWN & SEAT SAME
	2:00 - 12:30	10.50	DRLIN1	04	A	P	6045	CUT CORE # 3 FROM 6,045' TO 6,137'

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/W/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:30 - 14:30	2.00	DRLIN1	04	A	P	6137	PICK UP BREAK CORE OFF W/12 K OVER PULL / CIRCULATE BOTTOMS UP / CONTINUE TO CIRCULATE GAS OUT / STAND BACK 1 STAND
	14:30 - 21:00	6.50	DRLIN1	04	A	P	6047	PJSM W/ALL PERTINENT PERSONNEL FOR UP COMING INNER CORE BARREL RETRIEVAL / PICK UP T/200,000 LBS [25,000] LBS OVERPULL W/RIG / RIG UP CORPRO WIRELINE UNIT / RIH W/WIRELINE RETRIEVING TOOL / ENGAGED INNER CORE BARREL / TOH W/INNER CORE BARREL F/6,137' T/2,962' W/2,000 LBS WIRELINE WEIGHT @ 50 FPM / STOPPED 15 MINS TO ALLOW FOR GAS EXPANSION / TOH F/2,962' T/618' W/2,000 LBS WIRELINE WEIGHT @ 25 FPM / STOPPED 30 MINS TO ALLOW FOR GAS EXPANSION / TOH F/618' T/SURFACE W/2,000 LBS WIRELINE WEIGHT @ 16.6 FPM / LAY DOWN [4.20" OD x 3.625" ID] INNER CORE BARREL / MONITORED WELL WHILE C/OUT INNER CORE BARRELS / RECOVERED [91.4'] OF CORES
	21:00 - 21:30	0.50	DRLIN1	04	A	P	6047	CIRCULATE TO CLEAR DRILL STRING @ 90SPM
	21:30 - 22:30	1.00	DRLIN1	04	A	P	6047	PU #4 CORE BARRELS / PUMP DOWN @ 30SPM TO SEAT BARRELS / TIH 1 STAND OF DP
	22:30 - 23:30	1.00	DRLIN1	04	A	P	6137	ATTEMPT TO CORE WITH #4 CORE BARRELS / CORE BARREL JAMMED
	23:30 - 0:00	0.50	DRLIN1	04	A	P	6137	RIG UP WIRE LINE TO RETRIEVE JAMMED CORE BARREL
11/20/2013	0:00 - 1:30	1.50	DRLIN1	04	A	S	6137	CONTINUE TO RETREIVE CORE BBL#4 JAMMED OFF AFTER 1/2' RECOVER .5 FT OF CORE# 4
	1:30 - 2:30	1.00	DRLIN1	04	A	P	6137	PICK UP CORE BBL #5 DROP PUMP DOWN & SEAT SAME
	2:30 - 9:30	7.00	DRLIN1	04	A	P	6137	CUT CORE #5 FROM 6,137.5' TO 6229'
	9:30 - 11:30	2.00	DRLIN1	05	C	P	6229	CIRCULATE AND CONDITION FOR CORE BARREL RETREIVEAL ON PIPE TRIP,RIG DOWN WIRELINE TOOLS,SPR#
	11:30 - 20:30	9.00	DRLIN1	06	B	P	6229	PRE JOB JSA ,TIME TRIP OUT SLM WITH CORE #5,80'/MIN F6229 TO 2962,40'/MIN F/2962 TO 618,20'/MIN TO SURFACE,LAYDOWN CORE DC,RETREIVE 78.3' CORE
	20:30 - 21:30	1.00	DRLIN1	08	B	Z	6229	CHANGE OUT IBOP VALVE
	21:30 - 22:00	0.50	DRLIN1	07	A	P	6229	RIG SERVICE
	22:00 - 0:00	2.00	DRLIN1	06	A	P	6229	PU 12 1/4" CONE BIT, 0.16 RPG MUD MOTOR AND MU WITH SCORPION, TIH
11/21/2013	0:00 - 3:00	3.00	DRLIN1	06	A	P	6229	TIH WITH REAMING BHA TO 5740'.
	3:00 - 3:30	0.50	DRLIN1	06	A	P	6229	WASH LAST STAND TO TOP OF 8 3/4" HOLE @ 5860'. LOSING PARTIAL RETURNS
	3:30 - 9:00	5.50	DRLIN1	05	A	X	6229	NO RETURNS. LOSE 340 BBLS MUD, BUILD VOLUME AND PUMP SWEEP WITH LCM,PULL OUT TO 5360',PUMP SWEEP,REGAIN CIRC,STAGE IN
	9:00 - 0:00	15.00	DRLIN1	03	C	P	6229	REAM 12.25" HOLE OUT F/ 5860 TO 6067', WOB 25K, RPM 60/64, TORQ ON BTM 2700/OFF 900, STKS 90, GPM 405, PSI 610

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/22/2013	0:00 - 11:00	11.00	DRLIN1	03	C	P	6229	REAM 12.25" HOLE OUT F/ 6067' TO 6250, WOB 25K, RPM 60/65, TORQ ON BTM 2900/OFF 1300, STKS 90, GPM 405, PSI 570, 9.7/46 2%LCM,30% BYPASSED,SEEPING 8 BBLs/HR,PUMPING LCM SWEEPS TO CONTROL
	11:00 - 12:00	1.00	DRLIN1	05	C	P	6250	CIRCULATE BOTTOMS UP FOR SHORTTRIP @90STKS 520 PSI,BACKGROUND GAS 68 UNITS,9.7/44 4%LCM,BYPASSED SHAKERS@ 6180'
	12:00 - 17:30	5.50	DRLIN1	06	E	P	6250	SHORT TRIP BACK TO SHOE @ 2385 NO PROBLEMS, PROPER FILL/ NO TIGHT HOLE, TIH, BREAKING CIRCULATION EVERY 1000' CHECKING F/ LOSSES. NO LOSSES
	17:30 - 20:00	2.50	DRLIN1	05	C	P	6250	CIRCULATE 2x BOTTOMS UP FOR TRIP TO RUN LOGS @90STKS 560 PSI,BACKGROUND GAS 36 UNITS, 9.8/45 4%LCM
	20:00 - 0:00	4.00	DRLIN1	06	B	P	6250	TOOH TO RUN LOGS. NO PROBLEMS, PROPER FILL/ NO TIGHT HOLE
11/23/2013	0:00 - 1:00	1.00	DRLIN1	06	B	P	6250	FINISH LD COLLARS AND MUD MOTOR
	1:00 - 3:00	2.00	DRLIN1	11	D	P	6250	PJSM WITH SCHLUMBERGER, RU LOGGING TRUCK AND EQUIPMENT
	3:00 - 11:00	8.00	DRLIN1	11	D	P	6250	PU AND RUN FIRST SET OF LOGS. TRIPLE COMBO TO LOGGERS DEPTH 6251',NO TIGHT HOLE
	11:00 - 20:30	9.50	DRLIN1	11	D	P	6250	RUN SUITE #2 MAGNETIC RESONANCE & DIELECTRIC SCANNER, TOOL FAILURE ON RESONANCE ,NO TIGHT HOLE
	20:30 - 22:00	1.50	DRLIN1	11	D	P	6250	LD SUITE #2 AND PU SUITE# 3
	22:00 - 0:00	2.00	DRLIN1	11	D	P	6250	RUN SUITE #3, ELEMENTAL CAPTURED SONDE, HOSTILE NATURAL GAMMA RAY, SPECTROSCOPY, FULLBORE MICRO IMAGER, NO TIGHT HOLE
11/24/2013	0:00 - 4:30	4.50	DRLIN1	11	D	P	6250	RUN SUITE #3, ELEMENTAL CAPTURED SONDE, HOSTILE NATURAL GAMMA RAY, SPECTROSCOPY, FULLBORE MICRO IMAGER, NO TIGHT HOLE
	4:30 - 6:00	1.50	DRLIN1	11	D	P	6250	LD SUITE #3 AND PU SUITE #4=SONIC SCANNER,CBL
	6:00 - 21:30	15.50	DRLIN1	11	D	P	6250	RUN SUITE #4, SONIC SCANNER - STANDARD MODE AND CBL MODE
	21:30 - 23:00	1.50	DRLIN1	11	D	P	6250	LD SUITE #4 TOOLS
	23:00 - 0:00	1.00	DRLIN1	11	D	P	6250	PU SUITE #5, COMBINABLE MAGNETIC RESONANCE, ELEMENT CAPTURED SONDE, HOSTILE NATURAL GAMMA. (WAIT ON TOOLS FROM SCHLUMBERGER FOR 3 EXTRA HRS) TRUCK DRIVER SAID HE GOT LOST AND WENT UP TO I80 AND OVER INSTEAD OF TAKING I70
11/25/2013	0:00 - 16:00	16.00	DRLIN1	11	D	P	6250	PU SUITE #5 AND RUN, COMBINABLE MAGNETIC RESONANCE, ELEMENT CAPTURED SONDE, HOSTILE NATURAL GAMMA. (WAIT ON TOOLS FROM SCHLUMBERGER FOR 3 EXTRA HRS) TRUCK DRIVER SAID HE GOT LOST AND WENT UP TO I80 AND OVER INSTEAD OF TAKING I70
	16:00 - 23:00	7.00	DRLIN1	06	F	P	6250	MAKE UP 12 1/4" TRICONE BIT AND BIT SUB, TIH. FILL PIPE AND BREAK CIRC @ 876', 2290', 3835' AND 4780'. SLOW DOWN TO 50 FT/HR @ 3900' TO AVOID LOSSES. FULL DISPLACEMENT AND NO LOSSES ON TRIP

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/26/2013	23:00 - 0:00	1.00	DRLIN1	05	F	P	6250	CIRCULATE BOTTOMS UP. SEND 40 BBL / 20% LCM SWEEP
	0:00 - 2:00	2.00	DRLIN1	05	F	P	6250	CIRCULATE BOTTOMS UP. SEND 40 BBL / 20% LCM SWEEP
	2:00 - 5:00	3.00	DRLIN1	06	D	P	6250	TOOH TO RUN CASING. NO TIGHT SPOTS ENCOUNTERED
	5:00 - 5:30	0.50	DRLIN1	08	A	P	6250	RIG SERVICE
	5:30 - 7:30	2.00	DRLIN1	14	B	P	6250	PULL BEARING ASSEMBLY AND WEAR BUSHING TO RUN CASING
11/27/2013	7:30 - 8:30	1.00	CSGIN1	09	A	P	6250	CUT & SLIP DRILL LINE
	8:30 - 13:00	4.50	CSGIN1	12	A	P	6250	SAFETY MEET W/ ALL THIRD PARTY MEMBERS, R/D BAILS AND ELEVATORS, CLEAR FLOOR, RU FRANKS CASING TRUCK, TONGS, FLOOR, AND HOSES & FILL TOOL, CAMERA & AIR LINES, CHANGE SAVOR SUB TO XH F/ FILL TOOL
	13:00 - 0:00	11.00	CSGIN1	12	C	P	6250	RUN 134 JTS OF 9.625" #40, N-80 TO 5529'
	0:00 - 2:00	2.00	CSGIN1	12	C	P	6250	RUN 150 JTS TOTAL OF 9.625" #40 N-80 TO SHOE DEPTH 6234, FC 6148
	2:00 - 4:00	2.00	CSGIN1	12	A	P	6250	RD FRANKS CASING, RU HALLIBURTON CEMENT HEAD AND START CIRCULATING
	4:00 - 7:30	3.50	CSGIN1	12	E	P	6250	CIRCULATE BOTTOMS UP, LOST FULL RETURNS. SEND 40 BBL / 20% LCM SWEEP. TOTAL LOSSES 130 BBLS, REGAIN CIRCULATIO & PUMP SWEEP OUT OF CASING
	7:30 - 12:30	5.00	CSGIN1	12	E	P	6250	TEST LINES TO 5,000 PSI / PUMP 20 BBL MUD FLUSH / LEAD CEMENT EXPANDACEM [TM] SYSTEM CEMENT W/285 BBLS / 830 SKS / 12.6 PPG / 1.93 YIELD @ 8.92 GAL/SK / TAIL CEMENT EXPANDACEM [TM] SYSTEM W/77 BBLS / 290 SKS / 13.5 PPG / 1.49 YIELD @ 6.45 GAL/SK / HALLIBURTON GEL [2%] / HALAD [R]-344 [0.3%] / HR-5 [0.4%] / SUPER CBL [0.2%] / VERSASET [0.2%] / KOL-SEAL [8] LBM / POLY-E-FLAKE [0.25] LBM / SILICATE-COMPACTED BULK [4] LBM / FRESH WATER [6.45] GALS / DISPLACE 466 BBLS / LIFT PRESSURE WAS 1,300 PSI BUMP PLUG @ 2,150 PSI / FULL CIRC / NO CEMENT TO SURFACE / HELD FLOATS FOR [5] MINS / FLOATS HELD / RECOVERED [3.5] BBLS BACK TO INVENTORY
	12:30 - 15:30	3.00	DRLIN2	14	B	P	6250	SET PACKOFF & TEST WELLHEAD PACK-OFF TO 5,000 PSI - TESTED O.K. - RIG DOWN PACK-OFF TOOL
	15:30 - 17:00	1.50	DRLIN2	06	A	P	6250	INSTALLED BEARING ASS'Y
	17:00 - 18:00	1.00	DRLIN2	06	A		6250	INSTALL BAILS & ELEVATORS- CALIBRATED ELEVATORS
11/28/2013	18:00 - 19:00	1.00	DRLIN2	06	A	P	6250	CHANGE SAVER SUB. PREP RIG FLOOR FOR PU BHA
	19:00 - 19:30	0.50	DRLIN2	07	A	P	6250	RIG SERVICE
	19:30 - 0:00	4.50	DRLIN2	06	A	P	6250	PU BHA. SMITH MDI516 W/ 5x13s, WEATHERFORD 6.75 MUD MOTOR, HEL/BAP MWD. TIH AND TAG CEMENT @ 6138'
	0:00 - 1:00	1.00	DRLIN2	06	A	P	6250	TIH AND TAG CEMENT @ 6138'

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	1:00 - 2:45	1.75	DRLIN2	05	G	P	6250	BREAK CIRCULATION, PUMP 40 BBL DIESEL SPACER AND DISPLACE WITH 10# OBM. RECORD SLOW PUMP RATES
	2:45 - 3:30	0.75	DRLIN2	12	D	P	6250	SAFETY MEETING WITH TESTER. TEST CASING TO 4000 PSI FOR 30 MINUTES
	3:30 - 9:00	5.50	DRLIN2	05	G	P	6250	CLEAN PITS FOR OBM
	9:00 - 10:00	1.00	DRLIN2	05	A	P	6250	HELD OBM SAFETY MEET AND INSPECTION, FILL PITS AND CONDITION ACROSS BIT
	10:00 - 12:00	2.00	DRLIN2	02	F	P	6250	DRILL CEMENT AND SHOE TRACK TO 6250
	12:00 - 12:30	0.50	DRLIN2	02	B	P	6250	DRILL NEW HOLE F/6250 TO 6265', F/FIT TEST
	12:30 - 13:30	1.00	DRLIN2	05	A	P	6265	CIRCULATE BOTTOMS UP FOR FIT TEST
	13:30 - 14:30	1.00	DRLIN2	16	B	P	6265	10# OBM IN HOLE, HELD 1280 ON SURFACE PRESSURE FOR 15 MINUTES 13.9+ EQUIVALENT MW, TEST DEPTH 6265'
	14:30 - 0:00	9.50	DRLIN2	02	B	P	6265	DRILL / SURVEY 8.5" SECTION F/ 6265' TO 6725' = 46 AVG ROP WOB 5-18K TOP DRIVE RPM 70 MUD MOTOR RPM 126 PUMPS 105 SPM = 475 GPM PUMP PRESSURE ON/OFF BTM 1650/1350 TORQUE ON/OFF BTM 3900/1800 2% SLIDES PICK UP WT 195 SLACK OFF WT 170 ROT WT 178K OBM MUD WT 10.5# VIS 49 NOV-D WATER
11/29/2013	0:00 - 7:00	7.00	DRLIN2	02	B	P	6725	DRILL / SURVEY 8.5" SECTION F/ 6725' TO 7104=379 54AVG ROP WOB 5-15K TOP DRIVE RPM 70 MUD MOTOR RPM 126 PUMPS 120 SPM = 530 GPM PUMP PRESSURE ON/OFF BTM 2350/2150 TORQUE ON/OFF BTM 4500/2300 2% SLIDES 17NORTH 54' EAST PICK UP WT 188 SLACK OFF WT 178 ROT WT 180 OBM MUD WT 11.1# VIS 50 NOV-D DRYING OBM CUTTINGS GAS= BACKGROUND=2000-4000 CONNECTION=3730 HIGH=6133 @6810' 10.6#MW
	7:00 - 8:00	1.00	DRLIN2	23	A	S	7104	HAD LOW H2S ALARM GO OFF AT SHAKER (AFTER CONNECTION) 100PPM, CLEAR PITS AND SOLIDS CONTROL PEOPLE TO SAFE AREA, ACCOUNT FOR ALL PERSONEL CIRCULATE BOTTOMS UP CHECKING FOR FURTHER ALARM W/ DRILLER AND PUSHER (HELD AWARENESS & PROCEDURE SAFETY MEET WITH ALL PERSONEL AND THIRD PARTY MEMBERS)

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:00 - 18:00	10.00	DRLIN2	02	B	P	7104	DRILL / SURVEY 8.5" SECTION F/ 7104' TO 7490 = 386 39 AVG ROP WOB 5-15K TOP DRIVE RPM 70 MUD MOTOR RPM 148 PUMPS 120 SPM = 530 GPM PUMP PRESSURE ON/OFF BTM 2500/2175 TORQUE ON/OFF BTM 6200/2600 3% SLIDES 14' NORTH 56' EAST PICK UP WT 198 SLACK OFF WT 170 ROT WT 181 OBM MUD WT 12.0# VIS 51 NOV-D DRYING OBM CUTTINGS GAS= BACKGROUND=300 HIGH=6133 @6810'
	18:00 - 23:30	5.50	DRLIN2	05	B	P	7490	CIRCULATE AND RAISE MUD WT TO 12.5# DUE TO BACKGROUND GAS AND HIGH BOTTOMS UP GAS. ELIMINATE CHANCE OF H2S SEEPING IN.
	23:30 - 0:00	0.50	DRLIN2	06	E	P	7490	FLOW CHECK, NO FLOE. SHORT TRIP TO CASING SHOE. NO TIGHT SPOTS. PROPER HOLE FILL.
11/30/2013	0:00 - 1:00	1.00	DRLIN2	06	E	P	7490	FINISH WIPER TRIP TO SHOE. NO TIGHT SPOTS
	1:00 - 4:00	3.00	DRLIN2	05	B	P	7490	CIRCULATE BOTTOMS UP. HAD LOW H2S ALARM GO OFF AT SHAKER AT BOTTOMS UP STROKES, 35PPM ,CLEAR PITS, SOLIDS CONTROL PEOPLE, AND ALL RIG HANDS TO SAFE AREA,ACCOUNT FOR ALL PERSONNEL. CIRCULATE BOTTOMS UP CHECKING FOR FURTHER ALARM W/ DRILLER. RAISE MUD WT TO 12.7#
	4:00 - 4:30	0.50	DRLIN2	05	B	P	7490	SHUT PUMPS OFF, FLOW CHECK, WORK PIPE FOR 30 MINUTES TO CHECK FOR GAS ,5400 UNITS BTMS UP
	4:30 - 7:30	3.00	DRLIN2	05	B	P	7490	CIRCULATE BOTTOMS UP,RAISE MUD WEIGHT TO 12.9+
	7:30 - 8:00	0.50	DRLIN2	05	C	P	7490	SHUT PUMPS OFF, FLOW CHECK, WORK PIPE FOR 30 MINUTES TO CHECK FOR GAS,
	8:00 - 8:30	0.50	DRLIN2	05	C	P	7490	CIRCULATE BOTTOMS UP CHECKING FOR GAS AND GAIN/NO GAIN /870 UNITS GAS
	8:30 - 13:00	4.50	DRLIN2	06	A	P	7490	TRIP OUT TO 3200' SLM,CHECKING FLOW EVERY 1000',ON TRIP TANK ,WELL STARTED TO FLOW ON 3200' CHECK,FLOWING 1 GAL MIN ,MAKE PHONE CALLS, TIH TO 5313, SPOT 30 BBL 13.9# PILL. PUMP 14.9# DRY JOB
	13:00 - 17:30	4.50	DRLIN2	05	C	P	7490	CIRCULATE BOTTOMS UP 1963 UNITS @5390,802 UNITS AT 6390', TIH TO BOTTOM
	17:30 - 22:00	4.50	DRLIN2	05	B	P	7490	CIRCULATE BOTTOMS UP, HIGH H2S ALARM W/ 100PPM, TOTAL GAS 6954 UNITS. EVACUATE RIG. CIRCULATE AND WT UP SYSTEM TO 13.9#.
	22:00 - 22:30	0.50	DRLIN2	05	C	P	7490	FLOW CHECK 30 MINUTES TO VERIFY NO INFLUX DURING PUMPS OFF. WORK PIPE.
	22:30 - 23:30	1.00	DRLIN2	05	C	P	7490	CIRCULATE BOTTOMS UP, 684 UNITS OF GAS AT BOTTOMS UP, NO H2S. CIRCULATE BOTTOMS UP AGAIN AND PUMP DRY JOB.

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	23:30 - 0:00	0.50	DRLIN2	06	B	P	7490	TOOH TO RUN LOGS. VERIFY TRIP SHEET. FLOW CHECK EVERY 1000'. NO FLOW
12/1/2013	0:00 - 6:30	6.50	DRLIN2	06	B	P	7490	TOOH AND LD DIRECTIONAL TOOLS. VERIFY TRIP SHEET. FLOW CHECK EVERY 1000'. NO FLOW,proper amount to fill
	6:30 - 9:00	2.50	DRLIN2	06	B	P	7490	CHANGE ELEVATORS,L/D DIRECTIONAL TOOLS & BIT
	9:00 - 12:00	3.00	DRLIN2	11	D	P	7490	SAFETY MEET W/ SCHLUMBERGER R/U AND P/U SUITE #1,MONITOR WELL
	12:00 - 0:00	12.00	DRLIN2	11	D	P	7490	RUN IN HOLE WITH PEX-AIT TRIPLE COMBO SONIC SCANNER. LOG OUT OF HOLE.
12/2/2013	0:00 - 14:00	14.00	DRLIN2	11	D	P	7490	PU AND RUN SUITE #2 LOGS. ECS-HNGS SPECTRAL GR-CMR-ADT(LOGGERS DEPTH
	14:00 - 16:30	2.50	DRLIN2	06	F	P	7490	PU MUD MOTOR AND PDC BIT, TIH TO 2000'
	16:30 - 18:00	1.50	DRLIN2	05	G	P	7490	CIRCULATE BOTTOMS UP. PRESSURE 900 PSI WITH 45 SPM. CHECK ALL SURFACE LINES.
	18:00 - 21:30	3.50	DRLIN2	06	A	P	7490	PREPARE FLOOR FOR WET TRIP. TOOH TO LD MUD MOTOR AND CHECK FOR PLUGGED BIT. BIT HAD 3 PLUGGED JETS.
	21:30 - 0:00	2.50	DRLIN2	06	F	P	7490	MU BIT AND BIT/FLOAT SUB. TIH TO 4337.
12/3/2013	0:00 - 7:30	7.50	DRLIN2	06	F	P	7490	WIND BLOWING DIRECTLY TOWARDS CAMPS, EVACUATE ALL PERSONNEL AND CIRCULATE BOTTOMS UP @ 4337'(NO H2S). TIH TO 6450', ALL PERSONNEL OFF LOCATION, RIG CREW OFF, CIRCULATE BOTTOMS UP(NO H2S). TIH TO 7489', ALL PERSONNEL OFF LOCATION, RIG CREW OFF, CIRCULATE 2x SURFACE TO SURFACE(65 PPM H2S AT THE SHAKERS AND 25 PPM AT FLARE STACK)
	7:30 - 14:30	7.00	DRLIN2	06	E	P	7490	FLOW CHECK PUMP DRY PILL,TOOH F/ SIDEWALL CORES,CHECKING FOR FLOW EVERY 1000'.NO TIGHT HOLE & PROPER FILL,L/D BIT & SUBS, PREP FLOOR F/LOGGERS
	14:30 - 0:00	9.50	DRLIN2	11	D	P	7490	PRE JOB SAFETY MEET W/ SCHLUMBERGER AND RIG CREW,RIG UP AND STRIP OVER PACKOFF ,R/U SHIVES & CABLE,P/U CORE TOOLS,INSTALL PACKOFF IN HEAD.
12/4/2013	0:00 - 6:00	6.00	DRLIN2	04	D	Z	7490	*** TOOH TO REPAIR SIDE WALL CORING TOOL***
	6:00 - 12:00	6.00	DRLIN2	11	D	P	7490	TIH W/SCHLUMBERGER WIRELINE CORING ASSEMBLY CORES SAMPLES TAKEN @ 7,369' AND 7,387' / TOOL FAILED / TOOH / MAKE UP SECOND CORING TOOL ATTEMPT AT SIDEWALL CORES, WITH SMALLER CORE TOOLS / 2ND ATTEMPT FAILED / TOOH
	12:00 - 18:00	6.00	DRLIN2	11	D	P	7490	TIH WITH OBMI/UBI LOG FROM BOTTOM / UBI TOOL FAILURE / TOOH / ENOUGH INFORMATION COLLECTED OFF LOGS
	18:00 - 19:30	1.50	DRLIN2	11	D	P	0	R/D SCHLUMBERGER OBMI/UBI LOGGING TOOLS
	19:30 - 20:00	0.50	DRLIN2	07	A	P	0	RIG SERVICE @ SURFACE
	20:00 - 21:00	1.00	DRLIN2	21	D	W	0	WAITING ON SIDE CORE TOOLS OUT OF CASPER WY / RE-HEAD WIRELINE / MONITOR WELL FOR FLOW
	21:00 - 22:30	1.50	DRLIN2	11	D	P	0	P/U SCHLUMBERGER SIDE WALL CORING TOOL PLUS GAMA RAY / FUNCTION CORING TOOL / XO CORE BIT / TIH

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
12/5/2013	22:30 - 0:00	1.50	DRLIN2	11	D	P	0	FAILED CORING ATTEMPTS @ 7,367.5' AND 7,360.5' (UNABLE TO PENETRATE WELLBORE)
	0:00 - 2:00	2.00	DRLIN2	04	A	Z	7360	***3RD FAILED ATTEMPT AT SIDE CORES
	2:00 - 4:30	2.50	DRLIN2	04	A	Z	7360	TOOH WITH SCHLUMBERGER SIDE CORE TOOLING
	4:30 - 5:00	0.50	DRLIN2	04	A	P	0	R/D SCHLUMBERGER SIDE CORE ASSEMBLY
	5:00 - 5:30	0.50	DRLIN2	01	B	P	0	X/O ELEVATORS / PREP RIG FLOOR
	5:30 - 11:00	5.50	DRLIN2	06	E	P	0	TIH WITH 8.5" BIT AND BIT SUB F/SURFACE - T/7,489'
	11:00 - 13:00	2.00	DRLIN2	05	C	P	7489	CIRCULATE BOTTOMS UP WITH 10PPM H2S @ SHAKERS / CIRCULATE GAS AROUND / AIR GAS CHECKED AREA
	13:00 - 18:00	5.00	DRLIN2	06	E	P	7489	PUMP 30BBL DRY JOB / TOOH / BLOW DOWN SURFACE EQUIPMENT / FLOW CHECK EVERY 1,000' / HOLE TOOK PROPER FILL
	18:00 - 18:30	0.50	DRLIN2	01	B	P	0	PREP RIG FLOOR FOR CASING RUN
	18:30 - 19:00	0.50	DRLIN2	07	A	P	0	RIG SERVICE @ SURFACE
12/6/2013	19:00 - 20:00	1.00	DRLIN2	01	B	P	0	RABBIT DRILL PIPE PRIOR TO LINER RUN
	20:00 - 21:00	1.00	CSGIN2	12	A	P	0	PJSM RIG UP FRANK'S CASNG EQUIPMENT
	21:00 - 23:00	2.00	CSGIN2	22	L	Z	0	*** TROUBLE SHOOT FRANK'S HPU / RIG UP AUX HPU
	23:00 - 0:00	1.00	CSGIN2	12	C	P	0	CHECK FLOW / M/U SHOE / SHOE JOINT & FLOAT COLLAR / CHECK FLOATS
	0:00 - 4:30	4.50	CSGIN2	12	C	P		PICK UP & MAKE UP 7" 26# LTC LINER 31 JTS ,WEATHERFORD HANGER & PACKER WITH FRANKS CASING CREW & RUN IN HOLE TO 1,372
	4:30 - 5:00	0.50	CSGIN2	12	A	P		RIG DOWN FRANKS CASING EQUIPMENT
	5:00 - 12:30	7.50	CSGIN2	12	C	P	1372	CONTINUE TO RUN 7" LINER ON 5.5 DRILL PIPE FROM 1372' TO 7485' TOL @ 6,118' / SHOE @ 7,485' / FLOAT COLLAR @ 7,440' LANDING COLLAR @ 7,395' / HANGER @ 6144' / PACKER SET @ 6,139'
	12:30 - 14:30	2.00	CSGIN2	05	A	P	7485	CIRCULATE & CONDITION MUD @ 7,485' NO GAS OR H2S WITH 14.2 MUD WT. MEANWHILE HOLD PJSM WITH HALLIBURTON CEMENTERS & WEATHERFORD LINER HANDS
	14:30 - 17:00	2.50	CSGIN2	12	E	P	7485	DROP 1 3/4" BALL LET GRAVITATE MEANWHILE RIG UP HALLIBURTON CEMENTERS TEST LINES TO 5,000 PSI / PUMP 20 BBL TUNED SPACER INTERMITANTLY ATTEMPTING TO SEAT BALL TO HANG LINER HALLIBURTON PRESSURE UP TO 1800 PSI THEN TO 2300 TO SET HANGER / CONFIRM HANGER SET HALLIBURTON PRESSURE UP TO 3398 SHEAR OUT SEAT / CONFIRM SHEAR OFF

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	17:00 - 19:30	2.50	CSGIN2	12	E	P	7485	HALLIBURTON PUMP HALCEM LEAD CEMENT W/11.6 BBLS / 50 SKS / 17 PPG / 1.3 YIELD @ 5.48 GAL/SK / 0.05% SA-1015 / 25LBM HI-DENSE #4 / .5% CFR-3 W/O DEFOAMER / .3% HR-5 / .4% HALAD(R)-567 / HALCEM TAIL CEMENT W/29.2 BBLS / 125 SKS / 17 PPG / 1.31 YIELD @ 5.48 GAL/SK / .05% SA-1015 / .4% HALAD(R)-567 / .2% SUPER CBL / 25LBM HI-DENSE #4 / .5% CFR-3 W/O DEFOAMER / .3% HR-5 / FRESH WATER [5.48] GALS / DISPLACE 135 BBLS OF 183 BBLS TOTAL / BUMPED DART IN X/O FROM DRILL PIPE TO LINER. BROUGHT PRESSURE TO 3,650PSI - NO BLEED OFF / BLEED BACK BROUGHT PRESSURE TO 5,000PSI TO TRY TO PUSH DART BY X/O / 40.8BBLS CEMENT LEFT IN LINER
	19:30 - 20:30	1.00	DRLIN2	06	H	Z	7485	TOOH 1 JOINT PLUS 4 STANDS T/7,070' / FILL BACK SIDE / CHECK FLOW - NO FLOW
	20:30 - 21:30	1.00	DRLIN2	12	B	P	7070	R/D HALLIBURTON CEMENTERS / CEMENT HEAD AND BALES OFF RIG FLOOR
	21:30 - 0:00	2.50	DRLIN2	06	H	Z	7070	TOOH WET F/7,070' - T/6,207' ~ (LOST 50K IN STRING WEIGHT @ 6,207') CONTINUE PULLING F/6,207' - T/5,483'
12/7/2013	0:00 - 5:00	5.00	CSGIN2	06	D	Z	5483	TOOH WITH 7" LINER RUNNING TOOL NOTE LAST 3 JTS OF 5.5 DRILL PIPE FULL OF DRY CEMENT / RUNNING TOOL IN GOOD SHAPE / LAY DOWN RUNNING TOOL
	5:00 - 10:00	5.00	CSGIN2	06	A	Z	0	CLEAN & CLEAR RIG FLOOR FROM WET TRIP (OBM) STRAP 4" TUBULARS & SUBS & X-O'S
	10:00 - 13:30	3.50	CSGIN2	06	A	Z	0	MAKE UP 6" BIT TRIP IN HOLE WITH 4" TUBULARS TO 1,518'
	13:30 - 14:00	0.50	CSGIN2	06	A	Z	1518	CHANGE OUT TO 5 1/2" HANDLING EQUIPMENT
	14:00 - 20:30	6.50	CSGIN2	06	A	Z	1518	TRIP IN HOLE ON 5 1/2" DRILL PIPE FROM 1,518' TO 6,130' TAG TOP OF LINER @ 6,130' ROTATE TO DROP INSIDE LINER, TAG CEMENT @ 6,179'
	20:30 - 0:00	3.50	CSGIN2	02	F	Z	6179	DRILL CEMENT / 6" BIT F/ 6,179' TO 6,370' 191' = 54.6 FPH WOB 2,000 - 15,000 TOP DRIVE RPM 40 - 50 PUMPS 100 SPM = 450 GPM PUMP PRESSURE ON/OFF BTM 1860 / 1807 TORQUE ON/OFF BTM 1,000/ 1,000 PICK UP WT 127,000 SLACK OFF WT 1123,000 ROT WT 126,000 MUD WT 14.2 VIS 70 NOV ON LINE SWACO OFF LINE

US ROCKIES REGION

Operation Summary Report

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Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

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UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
12/8/2013	0:00 - 16:00	16.00	CSGIN2	02	F	Z	6370	DRILL CEMENT / 6" BIT F/ 6,370' TO 7,365' 995' = 62.19 FPH WOB 2,000 - 10,000 TOP DRIVE RPM 35 - 45 PUMPS 100 SPM = 450 GPM PUMP PRESSURE ON/OFF BTM 1960 / 1920 TORQUE ON/OFF BTM 1,000/ 1,000 PICK UP WT 140,000 SLACK OFF WT 136,000 ROT WT 139,000 MUD WT 14.2 VIS 69 NOV ON LINE SWACO OFF LINE
	16:00 - 17:00	1.00	CSGIN2	06	E	Z	7365	WIPER TRIP FROM 7,365' TO 6,130' TOL
	17:00 - 17:30	0.50	CSGIN2	07	A	Z	6130	SERVICE RIG @ 6,130' (ON WEATHERFORD COMPLETIONS)
	17:30 - 18:00	0.50	CSGIN2	06	E	Z	6130	TIH TO BOTTOM F/6,130' - T/7,365'
	18:00 - 19:00	1.00	CSGIN2	05	C	Z	7365	CIRCULATE SURFACE TO SURFACE (FLOW CHECK - NO FLOW)
	19:00 - 0:00	5.00	CSGIN2	06	E	Z	7365	TOOH PRIOR TO WIRELINE / FLOW CHECK AT LINER AND AT 4" TUBULARS / BLOW DOWN KELLY HOSE / PULL ROTATING RUBBER / XO ELEVATORS TO 4" / BREAK BIT SUBS AND BIT
12/9/2013	0:00 - 0:30	0.50	CSGIN2	11	G	Z	0	RIG UP WIRELINE ADAPTER IN ROTATING HEAD
	0:30 - 1:30	1.00	CSGIN2	11	G	Z	0	WAIT ON WEATHERFORD LOGGERS
	1:30 - 5:00	3.50	CSGIN2	11	G	Z	0	R/U WEATHERFORD / F/CBL-TEMP LOGS
	5:00 - 12:30	7.50	CSGIN2	11	E	Z	0	TIH WITH SWIVEL/CCL/GAMMA RAY TEMP / TOOH CHANGE OUT TOOLS / TIH ON 2ND RUN WITH CCL/GAMMA RAY/SONIC / PULL OUT OF HOLE / PJSM RUN IN HOLE WITH PERF GUNS / SHOOT PERFS F/7,296' - T/7,300' 12 @ 0.5" / PULL OUT OF HOLE AND CONFIRM ALL PERFS WENT OFF / LAY DOWN TOOLS
	12:30 - 15:00	2.50	CSGIN2	21	D	Z	0	WAIT ON WEATHERFORD RETAINER RING / MONITOR WELL
	15:00 - 18:00	3.00	CSGIN2	11	A	Z	0	P/U AND M/U PERMANENT 7" BRIDGE PLUG @ 7,290' / BRIDGE PLUG DIDNT SET / TOOH / CHECK POWER SOURCES / RUN IN THE HOLE WITH SAME / SET @ 7,290' TOOH / TOL @ 6,130'
	18:00 - 19:30	1.50	CSGIN2	11	A	Z	0	PJSM RIG DOWN WEATHERFORD LOGGERS AND LUBRICATOR / R/D LUBRICATOR ADAPTER
	19:30 - 20:00	0.50	CSGIN2	07	A	P	0	RIG SERVICE @ SURFACE
	20:00 - 23:30	3.50	CSGIN2	06	C	Z	0	M/U WEATHERFORD STABBING TOOL / TIH 6,350' / CCH
	23:30 - 0:00	0.50	CSGIN2	21	A	Z	6350	HALLIBURTON ENGINEER WANTED TO CHANGE CEMENT PROG / CALLED DANNY SHOWERS FOR APPROVAL
12/10/2013	0:00 - 0:30	0.50	CSGIN2	06	C	Z	7365	TIH WITH STINGER ASSEMBLY F/6,350 - T/7,265
	0:30 - 2:30	2.00	CSGIN2	06	C	Z	7365	PJSM TIH TO 7,285' / BREAK CIRCULATION WITH RIG PUMP
	2:30 - 9:00	6.50	CSGIN2	12	F	Z	7365	***HALLIBURTON FROZE UP DUE TO -6 WEATHER / CIRCULATE BELOW CEMENT RETAINER / BROKE CIRCULATE @ 1,100PSI CIRCULATE @ 4BBL PER MIN @ 850 PSI

US ROCKIES REGION
Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	9:00 - 10:30	1.50	CSGIN2	12	F	Z	7365	STING OUT OF RETAINER 5' T/7,285' / PUMP 4BBL OBM - PRESURE TEST LINES TO 3K / 10BBL TUNED SPACER / 16BBL OBM / 5BBL TUNED SPACER FOLLOWED BY 146BBL OBM TO SPOT TUNED SPACER
	10:30 - 12:00	1.50	CSGIN2	12	F	Z	7365	STING INTO PERMANENT CEMENT RETAINER / HALLIBURTON PUMP 20BBL 15PPG TUNED SPACER / PUMP HALCEM LEAD CEMENT W/33 BBL / 143 SKS / 17 PPG / 1.3 YIELD @ 5.48 GAL/SK / FOLLOWED BY 5 BBL 15PPG TUNED SPACER / 130 BBL OBM DISPLACEMENT / FULL RETURNS THROUGH OUT JOB / W/10 BBL CEMENT TO SURFACE
	12:00 - 12:30	0.50	CSGIN2	06	C	Z	7365	TOOH 2 STANDS T/7,090' / CIRCULATE BOTTOMS UP WITH OBM / CHECK FLOW - NO FLOW
	12:30 - 14:00	1.50	CSGIN2	12	B	Z	7365	RIG DOWN HALLIBURTON CEMENTERS
	14:00 - 14:30	0.50	CSGIN2	06	C	Z	7365	RE-INSTALL STABBING GUIDE / FLOW CHECK - NO FLOW
	14:30 - 15:30	1.00	CSGIN2	06	C	Z	7365	TOOH FROM 7,090' TO 6,100'
	15:30 - 16:30	1.00	CSGIN2	05	C	Z	7365	CIRCULATE SURFACE TO SURFACE / 425BBL 3,960 STROKES / SSP 1,329PSI / PUMP 30BBL DRY JOB @ 15.7# / FLOW CHECK / BLOW DOWN SURFACE EQUIPMENT
	16:30 - 20:00	3.50	CSGIN2	06	C	Z	7365	TOOH FROM 6,100' TO SURFACE / FLOW CHECK / ROTATING HEAD / X/O ELEVATORS / L/D STABBING TOOL
	20:00 - 20:30	0.50	CSGIN2	07	A	Z	7365	RIG SERVICE @ SURFACE / FLOW CHECK
	20:30 - 23:30	3.00	CSGIN2	06	A	Z	7365	M/U FLUTED 7" MILL / TRIP IN HOLE FROM SURFACE TO 6,130' TOL
	23:30 - 0:00	0.50	CSGIN2	06	A	Z	7365	ATTEMPT TO SET 7" LINER PACKER SET DOWN 60K (FAILED)
12/11/2013	0:00 - 0:30	0.50	CSGIN2	06	C	Z	7365	RE-ATTEMPT TO STOMP 7" LINER PACKER
	0:30 - 3:30	3.00	CSGIN2	06	C	Z	7365	PUMP DRY JOB / TOOH FROM 6,130' TO SURFACE / FLOW CHECK @ 1,547' - NO FLOW / LAY DOWN FLUTED MILL TOOL
	3:30 - 8:00	4.50	CSGIN2	06	C	Z	7365	M/U RETRIEVABLE PACKER / TIH FROM SURFACE TO 6,090'
	8:00 - 8:30	0.50	CSGIN2	06	C	Z	7365	SET 9 5/8" RETRIEVABLE PACKER @ 6,090'
	8:30 - 9:00	0.50	CSGIN2	06	C	Z	7365	TEST 9 5/8" RETRIEVABLE PACKER TO 1,500PSI FOR 15 MINS.
	9:00 - 16:30	7.50	CSGIN2	06	C	Z	7365	PUMP DRY JOB / L/D 5.5" DRILL COLLARS F/6,090' - T/1,560' / X/O ELEVATORS / L/D 4" DP & HWDP / BREAK AND LAY DOWN ON AND OFF TOOL
	16:30 - 18:00	1.50	CSGIN2	06	C	P	7365	X/O ELEVATORS / TIH W/10STDs HWP & 2,959' 5.5" CORPRO DP
	18:00 - 23:30	5.50	CSGIN2	06	C	P	7365	LAY DOWN HWDP AND DP F/2,959'
	23:30 - 0:00	0.50	CSGIN2	01	F	P	7365	FLUSH OUT ALL MUD LINES, MUD PUMPS, BOP, MANIFOLD, GAS BUSTER
12/12/2013	0:00 - 1:30	1.50	DRLIN3	14	A	P	7365	FLUSH OBM ON BOP'S & ALL SURFACE EQUIPMENT
	1:30 - 3:00	1.50	DRLIN3	14	A	P	7365	NIPPLE DOWN MI SWACO EQUIPMENT
	3:00 - 14:00	11.00	DRLIN3	14	A	P	7365	NIPPLE DOWN 13 5/8 BOP'S & EQUIPMENT
	14:00 - 16:00	2.00	DRLIN3	14	B	P	7365	INSTALL 7" PACK OFF WITH CAMERON & NIPPLE UP NIGHT CAP TEST SAME

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 10/7/2013

End Date: 12/13/2013

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/W/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:00 - 0:00	8.00	DRLIN3	01	E	P	7365	CLEAN MUD TANKS & RIG OF OBM FOR RIG MOVE
12/13/2013	0:00 - 6:00	6.00	DRLIN3	01	E	P	7365	CLEAN OBM FROM RIG & PREPARE FOR RIG MOVE RELEASE RIG @ 12/13/13/ 06:00 HRS

US ROCKIES REGION

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	LONG POINT STATE 3523-2-1H	Wellbore No.	00
Well Name	LONG POINT STATE 3523-2-1H	Wellbore Name	LONG POINT STATE 3523-2-1H
Report No.	2	Report Date	4/23/2014
Project	UTAH-SAN JUAN	Site	LONG POINT STATE 3523-2-1H
Rig Name/No.		Event	COMPLETION
Start Date	4/12/2014	End Date	
Spud Date	10/28/2013	Active Datum	RKB @7,068.00usft (above Mean Sea Level)
UWI	SE/SW0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0		

1.3 General

Contractor	CUTTERS WIRELINE	Job Method	PERFORATE	Supervisor	BRETT GARDINER
Perforated Assembly		Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type	KCL WATER	Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	6,355.0 (usft)-6,731.0 (usft)	Start Date/Time	4/23/2014 12:00AM
No. of Intervals	26	End Date/Time	4/23/2014 12:00AM
Total Shots	78	Net Perforation Interval	26.00 (usft)
Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

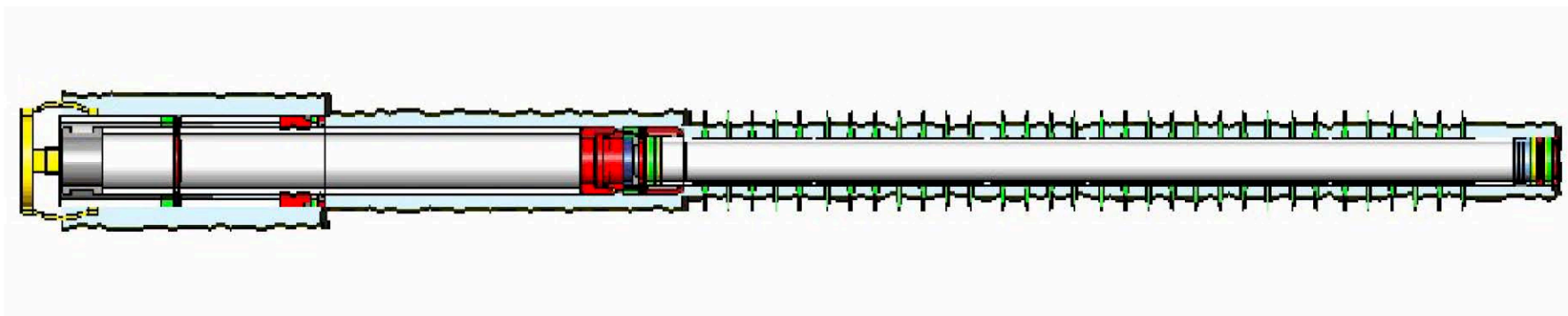
Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/23/2014 12:00AM				6,355.0	6,356.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/23/2014 12:00AM				6,358.0	6,359.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,361.0	6,362.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,364.0	6,365.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,367.0	6,368.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,436.0	6,437.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,439.0	6,440.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,456.0	6,457.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,460.0	6,461.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,464.0	6,465.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,469.0	6,470.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,474.0	6,475.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,604.0	6,605.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,608.0	6,609.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,612.0	6,613.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,616.0	6,617.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,672.0	6,673.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,676.0	6,677.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,680.0	6,681.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,684.0	6,685.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,688.0	6,689.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,692.0	6,693.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/23/2014 12:00AM				6,696.0	6,697.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,707.0	6,708.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,726.0	6,727.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/23/2014 12:00AM				6,730.0	6,731.0	3.00		0.390	EXP/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

3 Plots**3.1 Wellbore Schematic**

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	LONG POINT STATE 3523-2-1H	Wellbore No.	00
Well Name	LONG POINT STATE 3523-2-1H	Wellbore Name	LONG POINT STATE 3523-2-1H
Report No.	1	Report Date	4/14/2014
Project	UTAH-SAN JUAN	Site	LONG POINT STATE 3523-2-1H
Rig Name/No.		Event	COMPLETION
Start Date	4/12/2014	End Date	
Spud Date	10/28/2013	Active Datum	RKB @7,068.00usft (above Mean Sea Level)
UWI	SE/SW0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0		

1.3 General

Contractor	CUTTERS WIRELINE	Job Method	PERFORATE	Supervisor	BRETT GARDINER
Perforated Assembly	INTERMEDIATE LINER 2	Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type	DRILLING MUD (WATER)	Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	6,808.0 (usft)-6,827.0 (usft)	Start Date/Time	4/14/2014 12:00AM
No. of Intervals	6	End Date/Time	4/14/2014 12:00AM
Total Shots	18	Net Perforation Interval	6.00 (usft)
Avg Shot Density	3.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

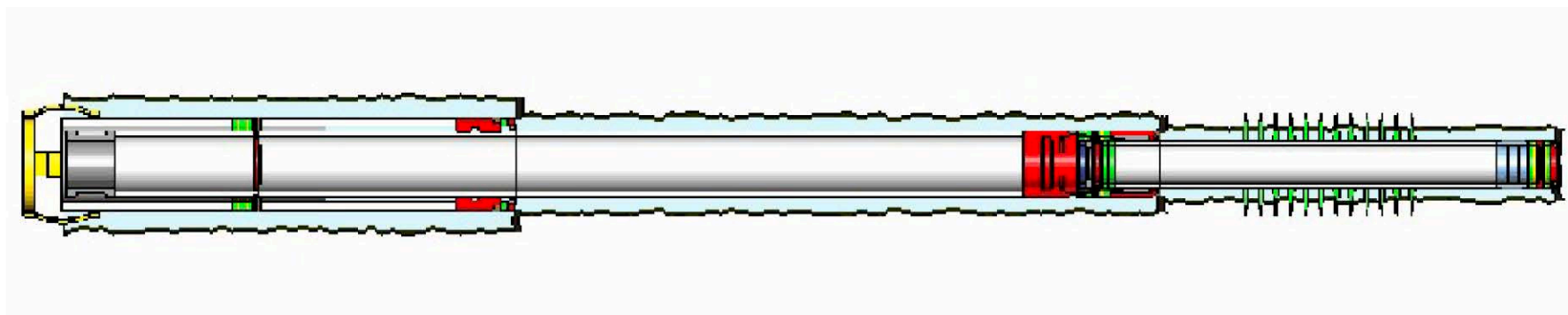
Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/14/2014 12:00AM	GOthic/			6,808.0	6,809.0	3.00		0.400	EXPENDABLE/1	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/14/2014 12:00AM	GOTHIC/			6,812.0	6,813.0	3.00		0.400	EXPENDABLE/1	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/14/2014 12:00AM	GOTHIC/			6,816.0	6,817.0	3.00		0.400	EXPENDABLE/1	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/14/2014 12:00AM	GOTHIC/			6,819.0	6,820.0	3.00		0.400	EXPENDABLE/1	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/14/2014 12:00AM	GOTHIC/			6,822.0	6,823.0	3.00		0.400	EXPENDABLE/1	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/14/2014 12:00AM	GOTHIC/			6,826.0	6,827.0	3.00		0.400	EXPENDABLE/1	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



US ROCKIES REGION
Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No:

Event: COMPLETION

Start Date: 4/12/2014

End Date:

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/W/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/12/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= H2S MONITORS
	7:15 - 18:00	10.75	SUBSPR	30		P		04/09/2014 PREP PULLING UNIT TO ROAD TO MONTICELLO UT, 04/10/2014 ROAD PULLING UNIT FROM VERNAL TO GREEN RIVER UT BROKE DRIVE LINE 04/11/2014 REPAIR RIG ROAD TO LOC SPOT IN RIG & EQUIP RU RIG 04/12/2014 RU H2S MONITORS MIRU P.U MACH. SET UP PIPE RACKS & UNLOAD TUBING FROM TRAILER TO PIPE RACKS ND W/H & CSG HEAD PU RETV TOOL 1 JNT TUB STRIP CSG HEAD ON NU BOPS TALLY & PU TUBING RIH TAG RBP @ 6079' RELEASE RBP POOH W/ 20 JNTS SIW SDFN
4/13/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= FIRST AID
	7:15 - 19:30	12.25	SUBSPR	31	H	P		SIWP= 0 PSI POOH W/ 5 STAND PIPE PULLING WET (OIL BASE MUD) CIRC MUD OUT OF HOLE 400 BBLS CONTINUE TO POOH TO RBP RD FLOOR & TUBING EQUIP ND CSG HEAD STRIP OUT RBP B/O RETV HEAD NU CSG HEAD TEST RU FLOOR & TUBING EQUIP PU 6-1/8 BIT & BIT SUB RIH TAG @ 7290' CIRC REMAINING MUD OUT 140 BBLS POOH LD 15 JNTS EOT @ 6766' SIW SDFN
4/14/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= COLD WEATHER
	7:15 - 9:00	1.75	SUBSPR	31	I	P		SIWP= 0 PSI CONTINUE TO POOH W/ BIT LD BHA
	9:00 - 13:30	4.50	SUBSPR	41	A	P		MIRU W/L RUN CBL POOH
	13:30 - 14:30	1.00	SUBSPR	34	H	P		PU RIH W/ PERF GUN PERF THE CLASTIC W/ 3-1/8" PERF GUN, 19 GM.,40" HOLE, 3 SPF, 120" PHASING, @ 6808' TO 6827'
	14:30 - 17:30	3.00	SUBSPR	34	I	P		PU HALLI 7" COMPOSITE CR , RIH STACK OUT 6260' WORK CCR OUT OF HOLE LD (SUSPECT DRLG MUD SIW SDFN
4/15/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= SWABB SAFETY
	7:15 - 12:00	4.75	SUBSPR	31	C	P		PU 7" COMP. CEM RETAINER RIH TUB TAKEN WT @ 6570' BROKE BTM SLIPS SET CEM RET LAND TUB ON HNGR RU SWABB EQUIP
	12:00 - 17:00	5.00	SUBSPR	42	B	P		START SWABBING FLUID LEVEL @ SURFACE, MADE 18 RUNS RECOVERD 180 BBLS NO SHOW OF OIL OR GAS NO SIGHN OF H2S SIW SDFN
4/16/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= SAFE DRIVING
	7:15 - 16:00	8.75	SUBSPR	42	B	P		SIWP= 0 PSI RU SWAB EQUIP RIH TAG FLUID LEVEL @ 2780' MADE 21 SWAB RUNS ENDING FL LEVEL, 3970' REC 165 BBLS TWO DAY TOTAL= 323 BBLS NU RIG PMP BRK DOWN @ 4 BBLS/MIN @ 800 PSI PMP 70 BBLS TOTAL ISIP= 0 PSI WELL ON VAC SIW SDFW
4/21/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= WATCH FOR H2S

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No:

Event: COMPLETION

Start Date: 4/12/2014

End Date:

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 9:30	2.25	SUBSPR	31	I	P		SIWP= 0 PSI UN STING FROM COMP C.R. POOH W/ HALLI STINGER LD BHA
	9:30 - 9:30	0.00	SUBSPR	31	I	P		PU 6-1/8" ROCK BIT & BIT SUB MU ON TUBING RIH FOUND PERF HOLES IN TUBING 4 HOLES FROM TUBING PUNCH AT WHAT WOULD HAVE BEEN 4185' POOH W/ BIT SIW SDFN (COULDN'T GET NEW STINGER TILL MORNING)
4/22/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= DIRLLING C.R.
	7:15 - 9:00	1.75	SUBSPR	31	I	P		SIWP= 0 PSI PU 6-1/8" BIT RIH TAG C.R. @ 6569'
	9:00 - 15:30	6.50	SUBSPR	44	B	P		RU DRLG EQUIP FILL HOLE EST CIRC DRILL THRU HALLI COMP C.R. IN 45 MIN W/ 500 PSI INCREASE, RIH 1 MORE JNT, RD SWVL RIH 2 JNTS TAG SOLID RU SWVL DRILL 45 MIN PLUG MOVED DOWN 3 JNTS PLUGGED FLOW LINE W/ MUDD C/O LINE DRILL CR 45 MIN RIH 45' BELOW BTM PERF EOT @ 6870' CIRC 40 BBLS RD DRLG EQUIP
	15:30 - 17:00	1.50	SUBSPR	31	I	P		POOH LD 18 JNTS EOT @ 6270' NU FLOW TESTERS TURN WELL OVER TO FLOW TESTERS FOR NIGHT SDFN
4/23/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= BOPS
	7:15 - 8:00	0.75	SUBSPR	49	C	P		FLOWING WELL PSI= 0 CHANGE PIPE RAMS IN BOPS
	8:00 - 10:00	2.00	SUBSPR	31	I	P		POOH W/ BIT
	10:00 - 13:00	3.00	SUBSPR	34	H	P		MIRU W/L PU PERF GUN RIH PERF 3 STAGES 6355' TO 6825' AFTER PERF W/H PSI 200# OPEN TO FBT WELL DIED
	13:00 - 14:00	1.00	SUBSPR	34	B	P		PU RIH SET COMP, CEM RET @ 6320'
	14:00 - 18:30	4.50	SUBSPR	31	I	P		NU PU HALLI STINGER RIH TO CEM RET EST CIRC STING INTO CR SPACE OUT TUB LAND TUB ON HNGR PRESS TEST TO 1000 PSI 15 MIN RD FLOOR EQUIP ND BOPS NU W/H SIW SDFN
								TUBING DETAIL K.B.....26.00 HNGR.....1.00 6' PUP.....6.16 4' PUP.....3.81 10' PUP.....9.60 192 JNTS.....6275.88 STINGER.....3.65 COMPRESSION.....-2.00 END OF TUBING.....6324.10'
4/24/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= SWABBING
	7:15 - 14:00	6.75	SUBSPR	42	B	P		SIWP= 870 PSI OPEN WELL TO FBT RU SWABB EQUIP SWBB WELL DRY 10 RUNS WAIT 30 MIN MADE DRY RUN WAIT 1 HR MADE DRY RUN
	14:00 - 15:00	1.00	SUBSPR	40		P		PUMP BRK DOWN 36 BBLS TO CATCH PSI 2 BBLS/ MIN @ 3500 PSI 5 BBLS ISIP= 3400 PSI PUMP 1 BPM @ 4000 PSI 6 BBLS ISIP= 3800 PSI OPEN WELL TO FBT
	15:00 - 17:00	2.00	SUBSPR	42	B	P		SWABB FLUID FROM SURFACE TO C.R. IN 8 RUNS REC 40 BBLS 9TH RUN DRY SIW SDFN
4/25/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= WELL CONTROL

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud Date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig Name No:

Event: COMPLETION

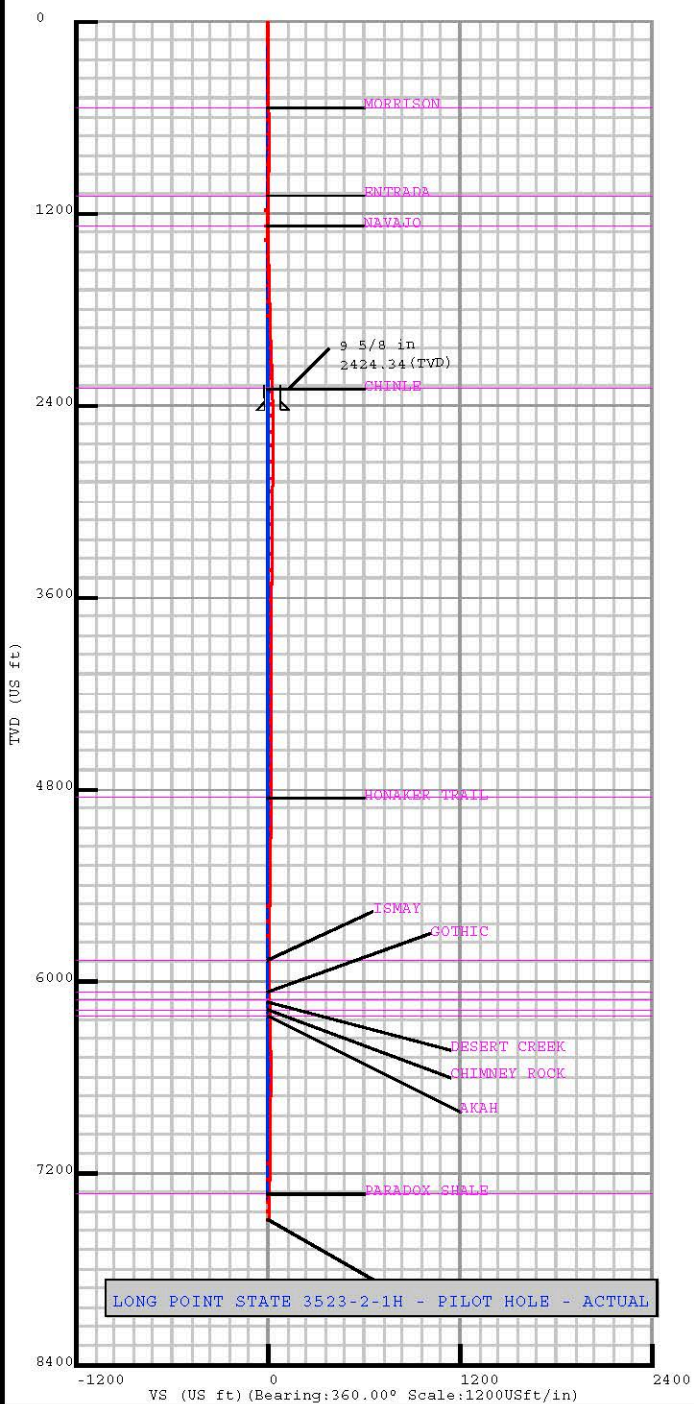
Start Date: 4/12/2014

End Date:

Active Datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/N/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 12:00	4.75	SUBSPR	31	I	P		SIWP= 100 PSI TUB, 800 PSI CSG OPEN WELL TO FBT PULL OUT OF C.R. POOH & LD BHA PU 6-1/8" BIT & POBS ASSM RIH TAG C.R @ 6320'
	12:00 - 17:00	5.00	SUBSPR	44	B	P		RU DRLG EQUIP EST CIRC C/O & DRILL C.R IN 20 MIN W/ 500 PSI INCREASECONTINUE TO RIH DRILL C.R. SEVERAL ITIMES WHEN IT HUNG UP SEEN 1000 PSI INCREASE C/O LOTS OF DEBRE & OBM C/O TO 6950" CIRC CLEAN POOH W/ 11 JNTS LAND TUB ON HNGR EOT @ 6590' NU TEST SEP TURN WELL OVER TO FBC SDFN
4/26/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= FOAM AIR UNIT
	7:15 - 16:30	9.25	SUBSPR	33	A	P		WELL NOT FLOWING MIRU FOAM UNIT NU FOAM UNIT TO TUB PMP FOAM AIR EST CIRC UNLOAD WTR IN WELL BORE REC 520 BBLs @ 14:00 PUT WELL ON 20 CHOKE WELL BLEW 1-1/2 HR AND DIED SIW SDFN
4/27/2014	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= COLD WEATHER
	7:15 - 15:00	7.75	SUBSPR	30		P		SIWP= 225 CSG, 50 PSI TUB, OPEN WELL TO FBT UNLAND HNGR LD HNGR POOH LD TUBING LD BHA RD FLOOR & TUBING EQUIP ND BOPS NU W/H SIW RD RIG PREP TO MOVE TO LEWIS ROAD ON WED.



Plan Data for LONG POINT STATE 3523-2-1H - PILOT HOLE

Field: SAN JUAN COUNTY_NAD83
Map Unit: USPt Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / Utah South (ftUS)

Site: LONG POINT STATE 3523-2-1H
Unit: USFeet TVD Reference:
Company Name: ANADARKO
Position: Northing: 10247307.82USft Latitude: 37.759074°
Easting: 2257456.49USft Longitude: -109.365392°
North Reference: True Grid Convergence: 1.31°
Elevation Above VRD: 7042.00USft

Slot: LONG POINT STATE 3523-2-1H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 10247307.82USft Latitude: 37.759074°
+E/-W: -0.00USft Easting: 2257456.49USft Longitude: -109.365392°
Elevation Above VRD: 7042.00USft

Well: LONG POINT STATE 3523-2-1H - PILOT HOLE
Type: Main-Well
File Number:
Vertical Section: Position offset of origin from Slot centre:
+N/-S: -0.00USft Azimuth: 360.00°
+E/-W: 0.00USft

Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BGCM 50842 (nT) 10.46° 63.99° 2013-10-24

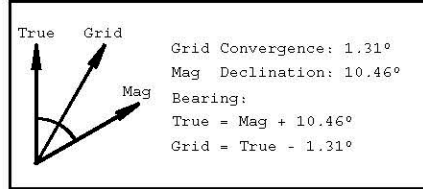
Survey Point Information:											
DogLeg Severity Unit: °/100.00ft			Position offsets from Slot centre								
MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Build	Turn	Annotations
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)	(DLSU)	(DLSU)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	GROUND LEVEL
113.00	0.25	38.49	113.00	0.19	0.15	0.19	0.22	38.5	0.22	0.00	FIRST WPT MWD SVY
7440.00	0.99	211.65	7438.37	8.24	-55.37	8.24	0.67	104.7	0.06	40.57	LAST WPT MWD SVY
7489.95	0.99	211.65	7488.31	7.51	-55.82	7.51	0.00	0.0	0.00	0.00	PROJECTION TO TD

Casing Point Information:

Name	MD	TVD
	(USft)	(USft)
95/8in	2425.00	2424.34

Formation Point Information:

Name	TVD Elevation	MD
	(USft)	(USft)
MORRISON	539.00	539.00
ENTRADA	1090.00	1090.00
NAVAJO	1280.00	1280.00
CHINLE	2299.00	2299.00
HONAKER TRAIL	4856.00	4856.00
ISMAY	5865.00	5865.00
GOthic	6065.00	6065.00
DESERT CREEK	6122.00	6122.00
CHIMNEY ROCK	6181.00	6181.00
AKAH	6214.00	6214.00
PARADOX SHALE	7326.00	7326.00



**5D Survey Report****ANADARKO**

Field Name: *SAN JUAN COUNTY_NAD83*
Site Name: *LONG POINT STATE 3523-2-1H*
Well Name: *LONG POINT STATE 3523-2-1H - PILOT HOLE*
Survey: *Definitive Survey*



DEFINITIVE SURVEYS FOR THE LONG POINT STATE 3523-2-1H - PILOT HOLE

Site Name LONG POINT STATE 3523-2-1H	Units : US ft	North Reference : True	Convergence Angle : 1.31
	Position	Northing : 10247307.82 US ft Easting : 2257456.49 US ft	Latitude : 37.759074 Longitude : -109.365392
	Elevation above:	7042.00 US ft	Comment :
Slot Name LONG POINT STATE 3523-2-1H	Position (Offsets relative to Site Centre)		
	+N / -S : 0.00 US ft +E / -W : -0.00 US ft	Northing : 10247307.82 US ft Easting : 2257456.49 US ft	Latitude : 37.759074 Longitude : -109.365392
	Slot TVD Reference : Ground Elevation	Elevation above : 7042.00 US ft	Comment :
Well Name LONG POINT STATE 3523-2-1H - PILOT HOLE	Type : Main well	UWI :	
	Rig Height <i>Drill Floor</i> : 26.00 US ft Relative to : 7068.00 US ft	Comment :	
	Closure Distance : 56.3218 US ft	Closure Azimuth : 277.663°	
	Vertical Section (Position of Origin Relative to Slot)		
	+N / -S : -0.00 US ft	+E / -W : 0.00 US ft	Az : 0.00°

Target Set

Name : Number of Targets : 0

Comment :

Survey Name :Definitive Survey

Date : 24/Oct/2013	Survey Tool :	Comment :	Company :
Magnetic Model			
Model Name: BGGM	Date: 24/Oct/2013	Field Strength: 50842.6 nT	Declination: 10.46° Dip: 63.99°
Survey Tool Ranges			
Name	Start MD (us ft)	End MD (us ft)	Source Survey
MWD	0.00	7489.95	WFT MWD SURVEYS

5D Survey Report

Casing Points (Relative to centre, TVD relative to Drill Floor)								
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)
9 5/8 in	2425.00	1.49	325.83	2424.34	29.63	-12.13	37.759155	-109.365434

Well path created using minimum curvature

Survey Points (Relative to centre, TVD relative to Drill Floor)															
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (%/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment	
0.00	0.00	0.00	0.00	0.00	0.00	37.759074	-109.365392	0.00	0.00	0.00	0.00	0.00	0.00		
113.00	0.25	38.49	113.00	0.19	0.15	37.759075	-109.365391	0.22	38.49	113.00	0.20	-0.25	0.30		
144.00	0.25	8.11	144.00	0.31	0.21	37.759075	-109.365391	0.42	254.81	31.00	0.32	-0.34	-0.16		
241.00	0.59	56.43	241.00	0.80	0.65	37.759076	-109.365390	0.48	72.10	97.00	0.80	-0.98	0.31		
334.00	0.59	34.44	333.99	1.33	1.37	37.759078	-109.365387	0.28	280.91	93.00	1.53	-2.03	-0.26		
427.00	0.77	9.77	426.98	2.60	1.79	37.759081	-109.365386	0.35	271.73	93.00	2.61	-2.87	-1.32		
520.00	0.75	39.78	519.98	3.59	2.28	37.759084	-109.365384	0.42	107.81	93.00	3.59	-4.29	0.50		
613.00	1.30	8.85	612.96	5.20	2.84	37.759086	-109.365382	0.82	298.66	93.00	5.20	-5.57	-2.00		
706.00	0.22	122.59	705.95	6.14	3.15	37.759091	-109.365381	1.51	171.83	93.00	6.14	0.77	6.86		
799.00	0.52	177.51	798.95	5.52	3.31	37.759089	-109.365381	0.46	78.40	93.00	5.52	5.47	3.56		
894.00	0.57	176.09	893.95	4.63	3.35	37.759087	-109.365380	0.16	2.59	95.00	4.64	4.52	3.50		
991.00	1.12	185.38	990.93	3.13	3.22	37.759083	-109.365381	0.50	27.11	97.00	3.14	3.61	2.66		
1086.00	1.03	175.31	1085.92	1.36	3.08	37.759078	-109.365381	0.22	239.55	95.00	1.37	1.32	3.09		
1182.00	1.21	181.13	1181.90	-0.51	3.07	37.759073	-109.365381	0.19	12.09	96.00	-0.51	-0.45	3.08		
1277.00	0.31	328.96	1276.89	-1.30	2.91	37.759070	-109.365382	1.56	173.60	95.00	-1.29	2.61	-1.83		
1370.00	1.10	346.69	1369.89	-0.21	2.61	37.759073	-109.365383	0.88	27.11	93.00	-0.20	0.71	-2.52		
1464.00	1.63	346.70	1463.86	1.99	2.17	37.759079	-109.365385	0.56	0.03	94.00	1.99	-1.53	-2.52		
1559.00	1.51	348.15	1558.82	4.54	1.65	37.759086	-109.365386	0.13	186.88	95.00	4.54	-4.10	-2.55		
1658.00	1.63	346.51	1657.79	7.19	1.05	37.759094	-109.365388	0.13	338.65	99.00	7.19	-6.74	-2.70		
1753.00	1.63	332.70	1752.75	9.71	0.14	37.759101	-109.365392	0.38	263.60	95.00	9.72	-8.64	-4.43		
1849.00	2.07	328.30	1848.70	12.41	-1.38	37.759108	-109.365397	0.49	335.67	96.00	12.41	-11.28	-5.35		
1944.00	2.05	324.54	1943.64	15.25	-3.27	37.759116	-109.365403	0.14	259.71	95.00	15.26	-14.31	-6.19		
2038.00	2.25	328.16	2037.57	18.19	-5.21	37.759124	-109.365410	0.26	36.00	94.00	18.20	-18.19	-5.17		
2136.00	2.25	327.99	2135.49	21.46	-7.25	37.759133	-109.365417	0.31	269.92	98.00	21.46	-22.02	-5.23		
2231.00	1.92	331.90	2230.43	24.44	-8.99	37.759141	-109.365423	0.38	158.63	95.00	24.45	-25.78	-3.58		
2325.00	1.87	329.09	2324.38	27.15	-10.52	37.759149	-109.365428	0.11	240.32	94.00	27.15	-28.68	-4.92		
2395.00	1.64	325.73	2394.35	28.95	-11.67	37.759154	-109.365432	0.36	202.43	70.00	28.96	-30.48	-6.66		
2425.00	1.49	325.83	2424.34	29.63	-12.13	37.759155	-109.365434	0.51	179.01	30.00	29.64	-31.32	-6.61	9 5/8 in	
2471.00	1.25	326.04	2470.32	30.54	-12.74	37.759158	-109.365436	0.51	178.90	46.00	30.54	-32.44	-6.49		
2564.00	0.38	205.09	2563.32	31.10	-13.44	37.759159	-109.365439	1.59	192.71	93.00	31.11	22.47	-25.36		
2660.00	0.55	194.86	2659.31	30.29	-13.71	37.759157	-109.365439	0.30	336.03	96.00	30.29	25.76	-21.02		
2756.00	0.39	224.04	2755.31	29.53	-14.08	37.759155	-109.365441	0.38	148.43	96.00	29.53	11.44	-30.65		
2852.00	0.72	215.46	2851.30	28.80	-14.66	37.759153	-109.365443	0.35	341.55	96.00	28.80	14.95	-28.65		
2949.00	0.75	227.10	2948.30	27.87	-15.48	37.759151	-109.365446	0.16	84.50	97.00	27.88	7.63	-30.95		

5D Survey Report

Survey Points (Relative to centre, TVD relative to Drill Floor)															
MC (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (%/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment	
3043.00	0.71	246.65	3042.29	27.22	-16.46	37.759149	-109.365449	0.27	108.81	94.00	27.23	-4.32	-31.52		
3140.00	0.53	222.14	3139.28	26.59	-17.37	37.759147	-109.365452	0.30	242.38	97.00	26.59	8.06	-30.72		
3236.00	0.52	226.25	3235.28	25.90	-18.04	37.759145	-109.365454	0.12	161.49	96.00	25.90	4.88	-31.18		
3331.00	0.53	234.75	3330.27	25.30	-18.78	37.759143	-109.365457	0.15	42.09	95.00	25.30	-0.74	-31.50		
3427.00	0.55	245.13	3426.27	24.83	-19.64	37.759142	-109.365460	0.17	125.44	96.00	24.83	-9.51	-30.20		
3520.00	0.54	165.73	3519.26	24.24	-19.98	37.759141	-109.365461	0.75	229.67	93.00	24.24	27.41	-15.34		
3615.00	0.53	135.42	3614.26	23.49	-19.59	37.759139	-109.365460	0.33	251.11	95.00	23.49	30.48	2.53		
3712.00	0.59	158.28	3711.26	22.70	-19.09	37.759136	-109.365458	0.24	86.59	97.00	22.70	28.15	-9.34		
3809.00	0.55	146.16	3808.25	21.85	-18.65	37.759134	-109.365457	0.13	245.65	97.00	21.85	28.53	-3.32		
3905.00	0.49	126.52	3904.25	21.22	-18.06	37.759132	-109.365454	0.19	241.75	96.00	21.23	27.14	6.31		
4000.00	0.36	180.97	3999.25	20.68	-17.74	37.759131	-109.365453	0.43	133.78	95.00	20.69	20.38	18.09		
4096.00	0.27	205.43	4095.24	20.18	-17.86	37.759129	-109.365454	0.19	133.62	96.00	20.19	8.81	-25.47		
4191.00	0.16	287.22	4190.24	20.03	-18.09	37.759129	-109.365455	0.30	146.49	95.00	20.03	-23.21	-13.77		
4288.00	0.33	235.88	4287.24	19.93	-18.46	37.759129	-109.365456	0.26	284.69	97.00	19.93	-5.97	26.50		
4385.00	0.21	187.71	4384.24	19.61	-18.73	37.759128	-109.365457	0.27	219.50	97.00	19.62	16.92	-21.19		
4481.00	0.53	150.46	4480.24	18.98	-18.49	37.759126	-109.365456	0.50	307.39	96.00	18.98	25.63	-6.73		
4578.00	0.39	228.30	4577.24	18.29	-18.48	37.759124	-109.365456	0.59	145.17	97.00	18.30	-1.62	25.95		
4674.00	0.33	274.31	4673.23	18.10	-19.00	37.759124	-109.365458	0.30	124.11	96.00	18.10	-20.30	-16.62		
4768.00	0.29	210.95	4767.23	17.91	-19.39	37.759123	-109.365459	0.35	232.35	94.00	17.92	5.39	-25.84		
4864.00	0.44	235.04	4863.23	17.52	-19.83	37.759122	-109.365461	0.24	64.65	96.00	17.52	-7.99	25.22		
4958.00	0.50	247.59	4957.23	17.17	-20.52	37.759121	-109.365463	0.10	53.78	94.00	17.18	-12.42	-23.70		
5052.00	0.29	177.48	5051.23	16.78	-20.89	37.759120	-109.365464	0.52	214.20	94.00	16.79	17.68	-20.13		
5149.00	0.77	205.51	5148.22	15.95	-21.16	37.759118	-109.365465	0.55	42.88	97.00	15.95	5.28	25.96		
5244.00	0.52	156.55	5243.22	14.97	-21.27	37.759115	-109.365466	0.59	222.48	95.00	14.97	21.71	-14.33		
5341.00	0.53	181.17	5340.21	14.11	-21.12	37.759113	-109.365465	0.21	98.58	97.00	14.12	13.68	21.41		
5437.00	0.56	185.23	5436.21	13.12	-21.18	37.759110	-109.365465	0.14	20.01	96.00	13.12	11.13	-22.29		
5532.00	0.54	218.64	5531.20	12.16	-21.56	37.759107	-109.365467	0.39	109.64	95.00	12.16	-3.97	-24.43		
5626.00	0.33	201.01	5625.20	11.49	-21.99	37.759106	-109.365468	0.36	197.07	94.00	11.50	2.85	24.65		
5721.00	0.49	214.83	5720.20	10.91	-22.32	37.759104	-109.365469	0.20	38.75	95.00	10.91	-3.79	-24.55		
6291.00	2.84	291.78	6289.95	14.15	-36.82	37.759113	-109.365519	0.49	86.86	570.00	14.15	-39.40	0.53		
6387.00	3.21	292.99	6385.81	16.08	-41.51	37.759118	-109.365536	0.39	10.40	96.00	16.08	-44.42	1.41		
6482.00	3.39	291.25	6480.65	18.13	-46.57	37.759124	-109.365553	0.22	330.04	95.00	18.14	-49.89	-0.02		
6575.00	2.53	282.92	6573.53	19.59	-51.14	37.759128	-109.365569	1.03	202.45	93.00	19.59	-54.17	-7.66		
6671.00	2.02	205.50	6669.47	18.59	-54.04	37.759125	-109.365579	2.86	224.76	96.00	18.60	-10.42	56.19		
6769.00	1.51	200.85	6767.42	15.80	-55.38	37.759117	-109.365584	0.50	209.48	98.00	15.81	-4.94	-57.37		
6863.00	0.33	171.39	6861.41	14.30	-55.81	37.759113	-109.365585	1.42	187.00	94.00	14.30	22.49	-53.04		
6959.00	0.45	153.63	6957.41	13.69	-55.60	37.759112	-109.365584	0.18	305.68	96.00	13.69	36.96	43.73		
7054.00	0.45	175.68	7052.40	12.98	-55.40	37.759110	-109.365584	0.18	101.02	95.00	12.99	17.12	-54.27		
7150.00	0.38	182.88	7148.40	12.29	-55.39	37.759108	-109.365584	0.09	146.88	96.00	12.29	9.49	-55.94		
7247.00	0.88	165.45	7245.39	11.23	-55.27	37.759105	-109.365583	0.53	336.76	97.00	11.24	21.16	52.28		
7343.00	0.93	172.30	7341.38	9.74	-55.03	37.759101	-109.365582	0.07	43.43	96.00	9.74	17.02	-53.23		

5D Survey Report

Survey Points (Relative to centre, TVD relative to Drill Floor)															
MC (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (%/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment	
7440.00	0.99	211.65	7438.37	8.24	-55.37	37.759097	-109.365584	0.67	104.68	97.00	8.25	-20.95	-51.46	LAST WFT MWD SVY	
7489.95	0.99	211.65	7488.31	7.51	-55.82	37.759095	-109.365585	0.00	0.00	49.95	7.51	-20.95	-51.46	PROJECTION TO TD	

Formation Points (Relative to centre, TVD relative to Drill Floor)		
Name	MC (US ft)	TVD (US ft)
MORRISON	539.03	539.00
ENTRADA	1090.08	1090.00
NAVAJO	1280.11	1280.00
CHINLE	2299.61	2299.00
HONAKER TRAIL	4856.77	4856.00
ISMAY	5865.81	5865.00
GOthic	6065.87	6065.00
DESERT CREEK	6122.90	6122.00
CHIMNEY ROCK	6181.94	6181.00
AKAH	6214.97	6214.00
PARADOX SHALE	7327.62	7326.00

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48563			
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: P.O. Box 173779, Denver, CO, 80217		8. WELL NAME and NUMBER: LONG POINT STATE 3523-2-1H			
PHONE NUMBER: 720 929-6100 Ext		9. API NUMBER: 43037500640000			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0760 FSL 2250 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESW Section: 02 Township: 35.0S Range: 23.0E Meridian: S		9. FIELD and POOL or WILDCAT: WILDCAT			
COUNTY: SAN JUAN		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/21/2015 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ANADARKO E&P ONSHORE, LLC IS REQUESTING A 2 MONTH SHUT-IN EXTENSION FOR THE LONG POINT STATE 3523-2-1H. THE WELL WAS COMPLETED AND SHUT-IN 04/27/2014. THE WELL WAS NOT FRACKED NOR WAS THERE ANY PRODUCTION FROM THIS WELL. THE DRILL CUTTINGS PIT REMAINS ON LOCATION. THE CUTTINGS HAVE BEEN DISPOSED OF AND ONLY THE LINER REMAINS WHICH WILL BE TAKEN CARE OF MID MAY WHEN WE ARE ON THE CEDAR POINT FEE 3526-16-1H. THERE IS NO COMPLETIONS PIT ON LOCATION. THE LOCATION HAS BEEN INSPECTED ON A MONTHLY BASIS SINCE JANUARY 2015 WITH THE LAST INSPECTION ON 03/26/2015.					
NAME (PLEASE PRINT) Doreen Green		PHONE NUMBER 435 781-9758			
SIGNATURE N/A		TITLE Regulatory Analyst II DATE 4/21/2015			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-48563
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		COUNTY: SAN JUAN
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/15/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ANADARKO E&P ONSHORE, LLC IS REQUESTING TO PLUG AND ABANDON THE LONG POINT STATE 3523-2-1H. SEE THE ATTACHED P&A PROCEDURES.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: July 22, 2015

By: Doreen Green

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 6/26/2015



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43037500640000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.**
- 3. All annuli shall be cemented from a minimum depth of 100' to the surface.**
- 4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
- 5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

Wellbore Diagram

r263

API Well No: 43-037-50064-00-00 Permit No: Well Name/No: LONG POINT STATE 3523-2-1H
Company Name: ANADARKO E&P ONSHORE, LLC
Location: Sec: 2 T: 35S R: 23E Spot: SESW
Coordinates: X: 643984 Y: 4180340
Field Name: WILDCAT
County Name: SAN JUAN

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (f/cf)
HOL1	40	30			
COND	40	20	90	40	
HOL2	2408	17.5			
SURF	2408	13.375	61	2408	
HOL3	6234	12.25			
II	6234	9.625	40	6234	2.349
HOL4	7485	8.5			
PROD	7485	7	26	7485	4.655

Cement from 40 ft. to surface
Conductor: 20 in. @ 40 ft.

Hole: 30 in. @ 40 ft.

Cement Information

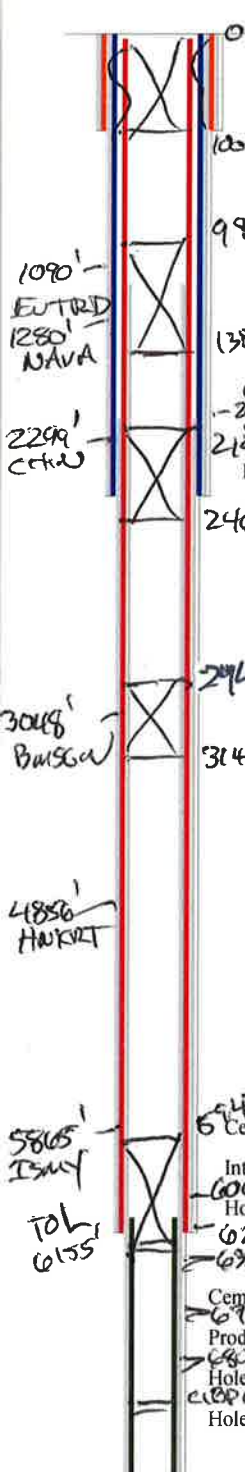
String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
COND	40	0	UK	108
II	6234	2000	UK	1120
PROD	7485		UK	175
SURF	2408	0	UK	1430

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
6355	6731			
6808	6827			
7290	7300			

Formation Information

Formation	Depth
ENRD	1090
NAVA	1280
CHIN	2299
HNKRT	4856
ISMY	5865
GOTH	6065
DSCR	6122
CMYRK	6181
AKAH	6214
PINK	7326



TD: 7490 TVD: 7488 PBD: 7290

LONG POINT STATE 3523-2-1H
 SESW 760 FSL 2250 FWL (AT SURFACE)
 SESW SEC. 2, T35S, R23E
 SAN JUAN COUNTY, UT

RKB: 7068'
 TVD: 7488'
 MD: 7490'
 PBSD: 7290' MD

API NUMBER: 43-037-50064
 LEASE NUMBER: ML-48563

CASING : **17.5" Hole**
 13.375", 61#, J-55 @ 0'- 2408'
 Top Cement 0' (based on drilling report) – did a 2 stage cement w/ packer and dv tool @ 893'. 1st stage: lead cement with 225 sks of 2.03 yield. Tail cement w/ 640 sks of 1.15 yield. 2nd stage: with 184.4 bbl 2.38 yield. Full returns throughout job with 100 bbls of good cement to surface.

12.25" Hole
 9.625", 40#, N-80 @ 26'- 6234'
 Top Cement 1300' (based on 9/23/13 CBL) – lead cement w/ 50 sks 1.3 yield, tail cement w/ 171 sks 1.31 yield

8.75" Hole
 7", 26#, P-110 @ 6155' – 7485'
 Cemented with 215 sx. PREMIUM CLASS G
 Top Cement 1300' (based on 9/23/13 CBL) – lead cement w/ 143 sks 1.3 yield, full return throughout job with 10 bbl cement on surface

TUBING: no tbg downhole

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
7" 26# P-110 liner	6.151	6230	9950	1.6070	0.2148	0.0383
9.625" 40# N-80	8.679	3090	5750	3.1847	0.4257	0.0758
Annular Capacities						
2.375" tbg. X 7" 26# P-110 csg				1.3769	0.1841	0.0328
7" 26# P-110 csg X 9.625" 40# N-80 csg				1.1855	0.1585	0.0282
9.625" 40# N-80 csg X 13.375" 61# J-55 csg				2.6106	0.3490	0.0622

GEOLOGIC INFORMATION:

Formation	Top Measured depth
Entrada	1090'
Navajo	1280'
Chinle	2299'
Ismay	5865'
Gothic	6065'
Desert Creek	6122'
Chimney Rock	6181'
AKAH	6214'
PINKERTON	7326'

BMSW Elevation ~3048' KBE (based on DNR technical publication #94)

PERFORATIONS:

Formation	Top, MD	Base, MD	Status
AKAH	6355'	6827'	96 holes

Relevant History:

10/10/13: Spudded
4/22/14: EOT at 6270'. C/O well to 6950'
4/27/14 : Lay Down tbgs and NUWH

GENERAL

- H₂S MAY BE PRESENT. CHECK FOR H₂S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY APPROPRIATE AGENCY 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

PROCEDURE (please see diagram on last page)

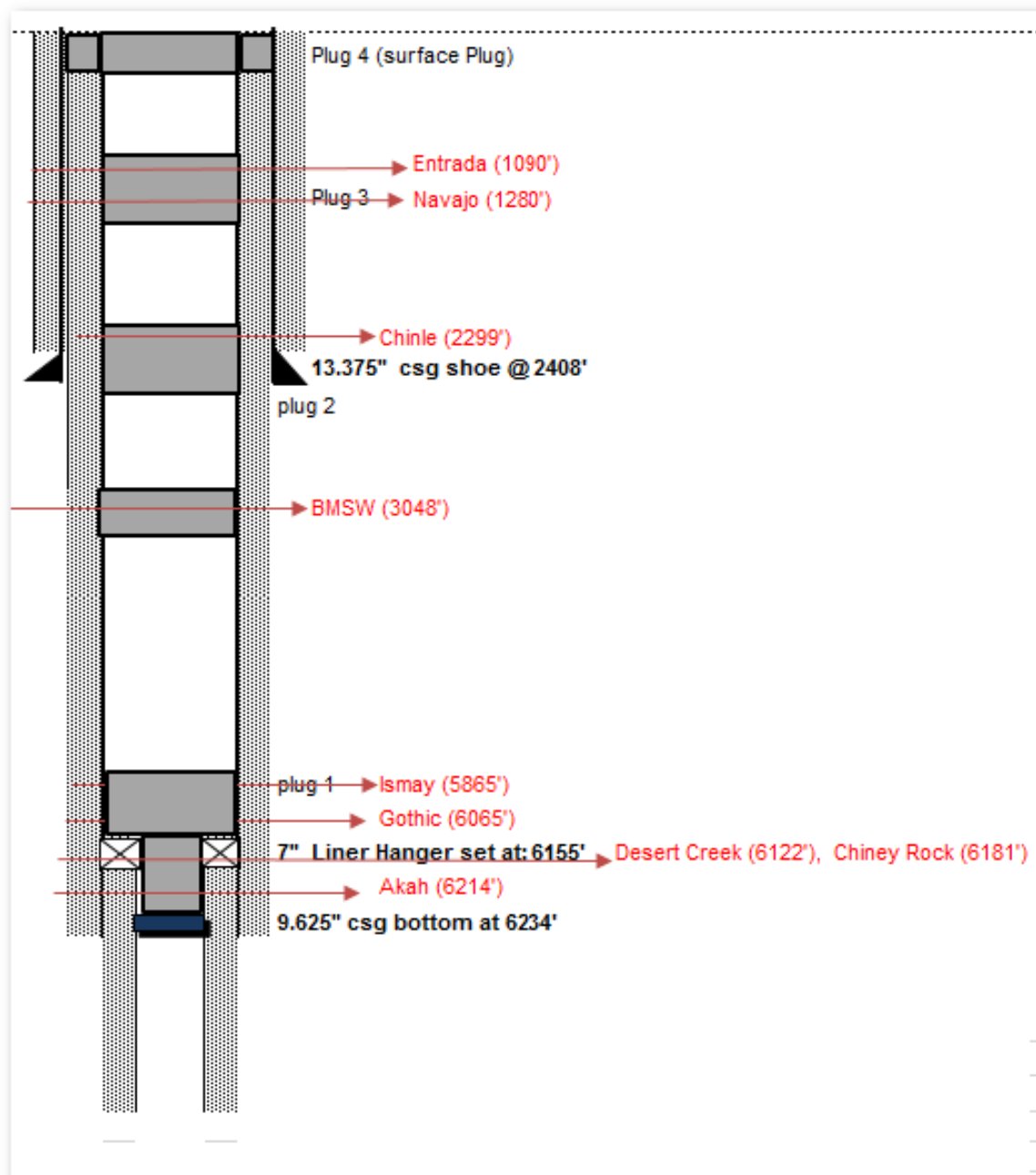
Note: Approx. **569 sks** Class "G" cement needed for procedure & **(1) 7" 26# CIBP**

Note: No Gyro needed, Directional Survey done by Weatherford on 11/1/2013.

1. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
2. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
3. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL ON 7" CSG.
4. **PLUG #1, ISOLATE PERFORATIONS (6355' - 6827'), TOP OF AKAH (~6214'), TOP OF DESERET CREEK (~6122'), TOP OF CHINEY ROCK (6181'), TOP OF GOTHIC (6065') & TOP OF ISMAY (5865'):** RIH W/ 7" 26# CIBP. SET @ ~6340'. RELEASE CIBP, PUH 10', BRK CIRC W/ TREATED FRESH WATER. DISPLACE A MINIMUM OF 180 SkS / 37.8 BBL/ 206.1 CFT ON TOP OF PLUG. PUH ABOVE TOC ~5761' (569' of cover). REVERSE CIRCULATE W/ TREATED WATER
5. **PLUG #2, PROTECT BMSW' (3048'):**PUH TO ~3148'. BRK CIRC W/ FRESH WATER. DISPLACE 75 SkS / 15.8 BBL/ 85.9 CFT AND BALANCE PLUG W/ TOC @ ~2948' (200' of cover). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER
6. **PLUG #3, PROTECT SURFACE SHOE & TOP OF CHINLE (2299'):**PUH TO ~2460'. BRK CIRC W/ FRESH WATER. DISPLACE 98 SkS / 20.6 BBL/ 112.2 CFT AND BALANCE PLUG W/ TOC @ ~2198'(262' of cover). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER
7. **PLUG #4, PROTECT TOP OF NAVAJO (1280') & ENTRADA (1090'):**PUH TO ~1380'. BRK CIRC W/ FRESH WATER. DISPLACE 147 SkS / 30.9 BBL/ 168.3 CFT AND BALANCE PLUG W/ TOC @ ~987' (393' of cover). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER

8. **PLUG #5, PROTECT SURFACE HOLE** POOH. CUT OFF WELLHEAD AND RIH INSIDE 9.625" CSG W/ 100' OF 1" STEEL TBG, TOP OUT CEMENT TO SURFACE, 38 Sks/ 8 BBL/ 43.5 CFT. RIH INSIDE 9.625" AND 13.375" ANNULUS W/ 100' OF 1" STEEL TBG, TOP OUT CEMENT TO SURFACE 31 Sks/ 6.5 BBL/ 35.5 CFT
9. INSTALL MARKER PER REGULATIONS.
10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

RT 9/11/14



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ANADARKO E&P ONSHORE, LLC has plugged and abandoned the LONG POINT STATE 3523-2-1H. See the attached operations summary report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 17, 2015

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 8/17/2015

US ROCKIES REGION
Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig name no.: WESTERN WELL SERVICES 9/9

Event: ABANDONMENT

Start date: 7/30/2015

End date: 8/4/2015

Active datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/W/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
7/30/2015	-							
7/31/2015	7:00 - 7:15	0.25	ABANDP	48		P		SAFETY = JSA.
	7:15 - 16:00	8.75	ABANDP	30	A	P		SICP= 375#. MIRU. BLOW DOWN WELL. INSTALL 7" 10K X 7" 5K SPOOL PIECE ON BOP. CLEAN CMT & OIL FROM BOP. NDWH. NUBOP. SWIFN. R/U FLOOR & TBNG EQUIP. R/U PUMP LINES & FLOWLINES. PREP FOR WIRELINE. SDFN.
8/3/2015	7:00 - 7:15	0.25	ABANDP	48		P		SAFETY= JSA.
	7:15 - 9:30	2.25	ABANDP	34	I	P		SICP= 24#. BLOW DOWN WELL TO F/B TANK. MIRU WIRELINE. P/U & RIH W/ GR-JB FOR 7" CSNG @6350'. POOH E-LINE. P/U & RIH W/ OWEN 7" CIBP. SET CIBP @ 6340'. POOH E-LINE & L/D TOOLS.
	9:30 - 13:00	3.50	ABANDP	31	I	P		P/U & RIH W/ 199JTS 2-3/8" P-110 TBNG + N.C. T/U ON CIBP @ 6340'. L/D 1JT TBNG. P/U 2-3/8" P-110 TBG PUP JT. LEAVE EOT @ 6330'.
	13:00 - 16:00	3.00	ABANDP	52	F	P		HOOK UP PUMP LINES. BREAK CONV CIRC W/ TMAC. CIRC WELLBORE CLEAN W/ 490BBLs TMAC. PRESSURE TEST PRODUCTION CSNG GOOD @ 1000#. NO VISIBLE PRESSURE LOSS IN 15 MIN. BLEED OFF PRESSURE. SWIFN. SDFN.
8/4/2015	7:00 - 7:15	0.25	ABANDP	48		P		SAFETY = JSA.
	7:15 - 7:40	0.42	ABANDP	52	F	P		STATE HAND (BART KETTLE) WANTED TO WITNESS PRESSURE TEST. PRESSURE TEST CSG & PLUG GOOD @ 1000#. NO VISIBLE PRESSURE LOSS IN 15MIN. MIRU CMT CREW.
	7:40 - 14:00	6.33	ABANDP	51	D	P		MIX & PUMP CMT PLUGS AS PER PROCEDURE. ALL CMT NEAT G CMT & PUMPED @ 15.8#. POOH W/ TBNG WHILE PUMPING PLUGS AS FOLLOWS:\n\nPLUG #1. EOT @6335. PUMP 9BBL FRESH WATER LEAD. PUMP 180SX CMT. DISPLACE W/ .5BBLs FRESH WATER & 21BBLs TMAC. SHUT DOWN. PUH TO 3148'. \n\nPLUG #2. EOT @ 3148'. PUMP 9BBL FRESH WATER LEAD. PUMP 75SX CMT. DISPLACE W/ .5BBLs FRESH WATER & 10.8BBL TMAC. SHUT DOWN. PUH TO 2460'. \n\nPLUG #3. EOT @2460'. PUMP 9BBL FRESH WATER LEAD. PUMP 100SX CMT. DISPLACE W/ .5BBLs FRESH WATER & 7.9 BBLs TMAC. SHUT DOWN. PUH TO 1380'. \n\nPLUG #4. EOT @ 1380'. PUMP 9BBL FRESH WATER LEAD. PUMP 147SX CMT. DISPLACE W/ .5BBLs FRESH WATER & 3.2BBLs TMAC. SHUT DOWN. POOH W/ ALL TBNG.
	14:00 - 14:45	0.75	ABANDP	34	H	P		MIRU WIRELINE. P/U & RIH W/ 4SHOT X 1' PERF GUN. PERF 9-5/8" CSG @ 100'.
	14:45 - 15:45	1.00	ABANDP	30	C	P		R/D FLOOR & TBNG EQUIP. NDBOP. NUWH. RDMO RIG.

US ROCKIES REGION

Operation Summary Report

Well: LONG POINT STATE 3523-2-1H

Spud date: 10/28/2013

Project: UTAH-SAN JUAN

Site: LONG POINT STATE 3523-2-1H

Rig name no.: WESTERN WELL SERVICES 9/9

Event: ABANDONMENT

Start date: 7/30/2015

End date: 8/4/2015

Active datum: RKB @7,068.00usft (above Mean Sea Level)

UWI: SE/SW/0/35/S/23/E/2/0/0/26/PM/S/760/W/0/2250/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	15:45 - 18:00	2.25	ABANDP	51	D	P		R/U CMT CREW. BREAK CIRC DOWN 9-5/8" CSG AND UP 13-3/8" CSG. FULL RETURNS @ SURFACE. MIX & PUMP 100SX CMT W/ FULL RETURNS @ SURFACE. \n\nMIRU ROUSTABOUT CREW. EXPOSE WELLHEAD. CUT & LOWER WELLHEAD.\n\nTOP OFF ALL CSG STRINGS W/ 85SX CMT. HOLE FULL & STAYING IN PLACE. INSTALL MARKER PLATE & BACKFILL. WELLHEAD +/- 6' BELOW GRADE.\n\nP/A COMPLETE. WITNESSED BY BART KETTLE (STATE OF UTAH).\n\nWELLHEAD COORDINATES:\nLAT: 37.759078\nLONG: -109.364718